



Always Innovating. Never Imitating.



6,600
EMPLOYEES
WORLDWIDE



100 +
RESEARCHERS



6

PRODUCTION FACILITIES AROUND THE GLOBE



PATENTS

58

OWNED





100%
INTEGRATED
MANUFACTURING



1 BRAND



EST. 1954

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INSULATED

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WE ARE SHOWA®

SHOWA® is a fully integrated manufacturer. We fully control our industrial ecosystem by creating our own machinery, yarns, coatings, polymers, designs, and hand formers. We control every step of our process, every step of the way – for 100% quality control at every level. SHOWA® makes protective gloves for all industries and applications requiring high quality hand protection.

Our hand protection solutions are grouped into five major product families or clusters:



CHEMICAL & LIQUIDS



GENERAL PURPOSE



INSULATED



SINGLE USE



CUT



Strategy & Operations



Production & Manufacturing



Research & Development

MATERIALS AND THEIR PERFORMANCE

SHOWA® offers a wide range of materials and coatings. Compare the strengths and drawbacks of each and choose the compositions that best meet your needs!



310

COTTON

Natural cellulose fiber. Flexible, soft and non-irritating, it protects against mechanical aggression (impacts, low vibration, iron filings, splinters, glass fragments), absorbs perspiration and gives you great comfort when wearing dipped protective gloves continuously. Cotton fibers are mixed with polyester fibers in order to associate comfort with a higher mechanical resistance and more elasticity.



370

NYLON

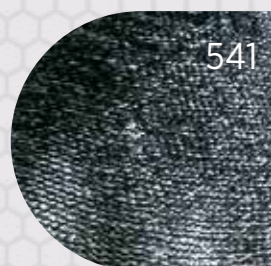
A lightweight elastic polyamide which is largely lint-free and washable, dries quickly and is resistant to abrasion and deformation. Mixed with cotton and acrylic, it makes the glove more flexible and extends its lifetime.



451

ACRYLIC

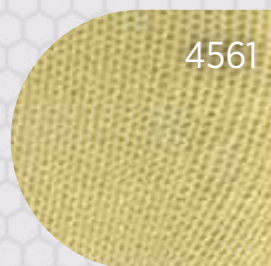
A polymer that is resistant to water, common solvents, acids and weak alkalis, and that is resistant to abrasion and to traction. Soft and warm, it insulates you from the cold. Mixed with cotton, it makes the knit more lightweight.



541

HPPE

High performance polyethylene is flexible, light and durable. As resistant to cutting as a para-aramid but with more resistance to abrasion (ten times more resistant to flexion than a wire), it remains resistant to chemicals, in particular solvents.



4561

KEVLAR®

It is lightweight, supple, comfortable and washable. It provides effective protection from cuts (above level 5, with stainless steel reinforcing) and from convective heat and offers durability and performance that far exceeds that of leather (5 times higher) and cotton (3 times higher).



EACH COATING HAS ITS QUALITIES

NITRILE

Anti-slip vulcanised synthetic rubber

- + Excellent abrasion and cut resistance
- + Three times the puncture resistance of natural rubber latex
- + Good mechanical performance
- + Excellent resistance to oil, grease and hydrocarbons
- + Good resistance to acids, certain organic solvents, pesticides, oils and fuels
- + Heat resistance (but no flame resistance)
- + Does not contain Natural Rubber proteins
- + Dissipates static electricity: prevents electrostatic discharge

- Relatively rigid
- Normally low tear resistance
- No chemical resistance against ketones and some chlorinated hydrocarbons, for ex. methylene chloride and trichloroethylene

NATURAL RUBBER

Natural rubber latex mainly from the rubber tree

- + Very flexible and elastic
- + Good grip
- + Excellent resistance to tearing and bending
- + Good resistance to abrasion
- + Very robust
- + Waterproof
- + Protects against weak acids, caustics, alcohols and detergents
- + Protection against viruses and bacteria

- Poor chemical resistance against oils, greases, hydrocarbons and organic solvents
- Proteins may cause allergies

POLYURETHANE PU

Plastic that is a microporous elastomer

- + Very flexible and elastic
- + Does not contain Natural Rubber proteins
- + Clean - does not shed particles like other polymers
- + Good resistance to abrasion
- + Good resistance to oil
- + Does not harden in the cold
- + Does not soften in the heat
- + Excellent perspiration control thanks to porous ventilation

- Low chemical resistance
- Poor resistance to hot water

PVC POLY VINYL CHLORIDE

Impermeable plastic

- + Flexible at even -4°F/-20°C
- + Material softened by a plasticizer
- + Good electrical insulator
- + High chemical resistance

- Low resistance to cuts, puncturing and heat
- Single use PVC gloves might have pinholes
- Low resistance to solvents

NEOPRENE

Polychloroprene synthetic rubber

- + Flexible and soft like natural rubber
- + Does not contain Natural Rubber proteins
- + Good abrasion and cut resistance
- + Chemical protection against acids, alcohols, fats, ketones, organic and inorganic solvents, oils, greases and petrochemicals
- + Heat resistant and flame resistant

- Poor grip when wet
- No chemical resistance against chlorinated hydrocarbon solvents

BUTYL

Synthetic rubber polymer for heavy chemical protection

- + Very elastic, even at low temperatures
- + Excellent chemical resistance against ketones (MEK, acetone) and acids
- + Low gas permeability
- + Dissipates perfectly static electricity: prevents electrostatic discharge

- Limited grip
- Limited dexterity
- Poor mechanical resistance
- Poor resistance to aliphatic hydrocarbons (hexane, diesel, gasoline), aromatic hydrocarbons (benzene, toluene, xylene) and halogenated solvents (chloroform and chlorobenzene)

VITON

Synthetic rubber polymer - the last resort

- + Protects where nothing else protects
- + Chemical protection against PCBs
- + Excellent chemical protection against chlorinated, aliphatic and aromatic hydrocarbons

- Limited grip
- Limited dexterity
- Not suitable for ketones, esters and nitro compounds

PROTECTION AND PRESERVATION IN ONE

Sustainability isn't just a commitment - it's part of SHOWA's legacy. Our revolutionary Eco Best Technology® offers the solution that makes a difference to the environment, without any compromise on protection and performance.



SAME GLOVE, BETTER FOR THE PLANET.

SHOWA's revolutionary Eco Best Technology® makes a difference to the environment, without any compromise in protection and performance. Launched in 2012,

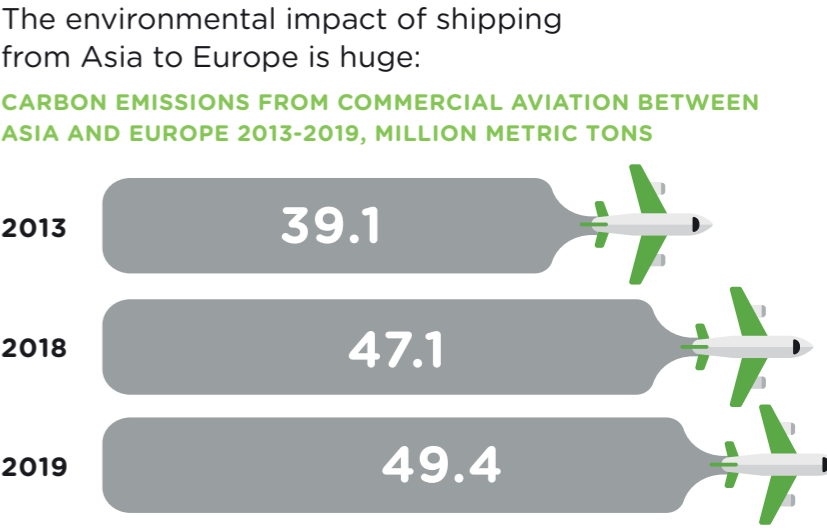
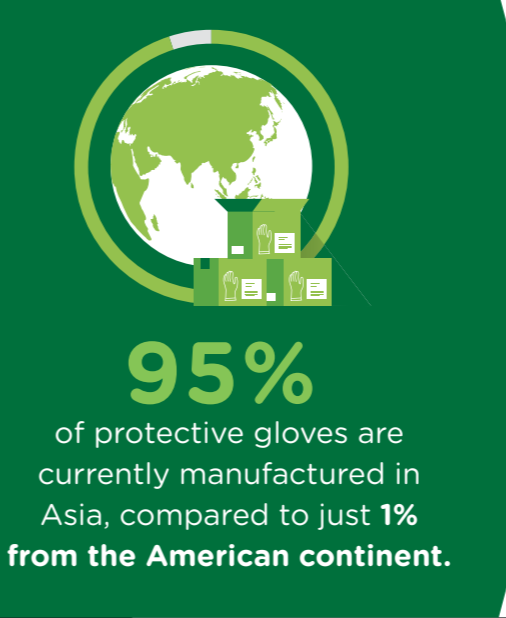


our biodegradable nitrile gloves are the industry's first, and today, SHOWA® offers the most extensive selection of biodegradable hand protection in the market.

SHOWA® LAUNCHED ITS TECHNOLOGY IN 2012 - A DECADE OF SUSTAINABILITY

ECO BEST TECHNOLOGY® GLOVES COME FROM GUATEMALA AND THE USA WITH A LOWER CARBON FOOTPRINT

EBT™ gloves offer the best protection, performance and are better for the planet.



SHOWA'S site in Fayette will create **300 jobs** and produce **2.8 billion gloves** by the end of 2024.

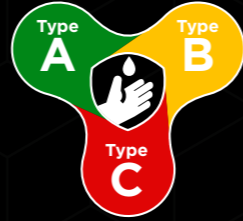


Sources: ICCT, OECD, searoutes.com, SHOWA®



CHEMICAL PROTECTION

SHOWA® has an extensive portfolio of chemical hand protection ranging from Type A to Type C.



Chemrest makes navigating the challenges of chemical resistant hand protection easier for safety professionals by providing an entire portfolio of products, resources and tools in one platform.

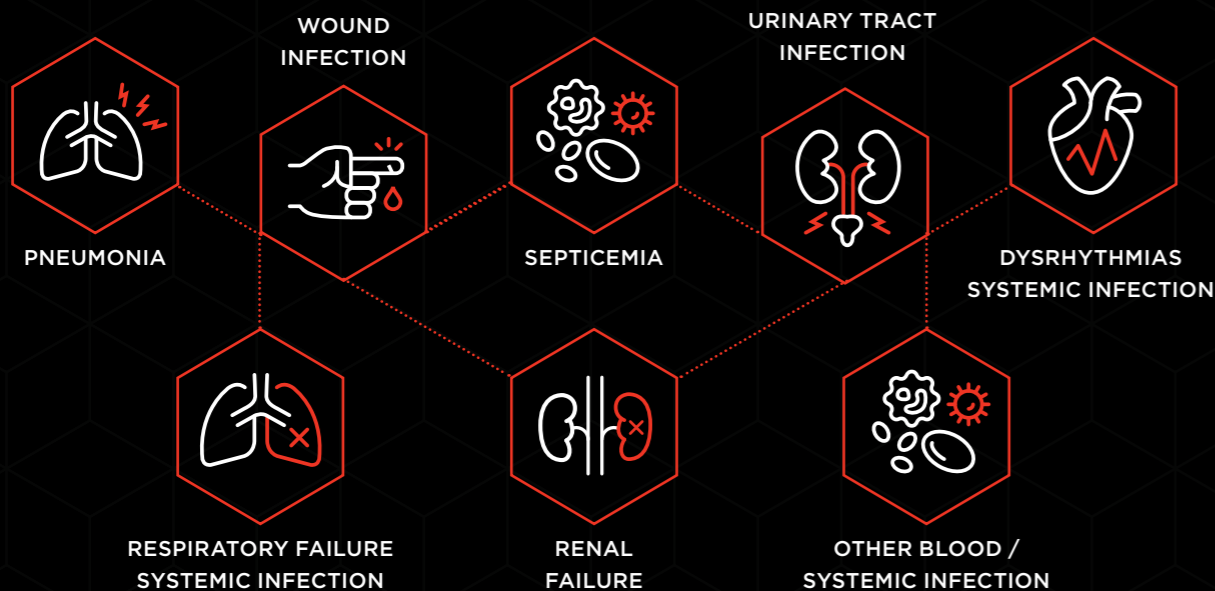
THE DANGERS OF CHEMICALS AT WORK

Chemicals and abrasive solvents are used by billions of people globally. In fact, there are more than 350,000 chemicals & chemical mixtures in the world, registered for commercial production and use (Environ. Sci. Technol. 2020). Workers who are in contact with chemicals, hazardous substances and gases - even simple cleaning detergents - are putting their hands at risk.

While chemical injuries occur more frequently in occupations where chemicals are manufactured, they also happen in other high-risk industries such as mining, painting, construction, oil & gas, healthcare, warehousing, transportation, agriculture and welding. Some chemical injuries happen when workers are (unintentionally) exposed to seemingly non-harmful solutions or gases over long periods of time.

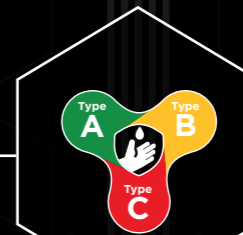
COMPLICATIONS FROM CHEMICAL BURNS

Patients with chemical burns can go on to suffer the following complications:



REINFORCE YOUR DEFENSE WITH THE CHEMREST PROTECTION PLATFORM

SHOWA® aims to empower customers with the knowledge and tools to make better and more informed choices about their chemical hand protection.



EDUCATE

Coherent tools & training on hand protection against chemicals



EVALUATE

Full risk assessment & in-house lab testing of customer-specific chemicals



EQUIP

A complete series of protective gloves adapted to all industries and uses



VISIT [CHEMREST.COM](https://chemrest.com) TO FIND THE RIGHT GLOVE

NITRILE

NITRILE



SHOWA®
CS700

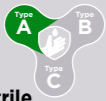
Double dipped nitrile coating with rough grip over seamless liner

BENEFITS

- Anti-slip Grip
- Chemical-resistant
- Oil-resistant
- Seamless knit
- Robust durability
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Grip: **Rough**
+FDA 21 CFR 177.2600

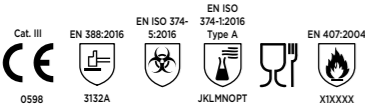


APPLICATIONS

- Ice grip
- Chemical Handling
- Fruit & vegetable processing
- Washing and cleaning
- Food processing

REF	SIZE	LENGTH
CS700	7/S	12" (305mm)
CS700	8/M	12" (305mm)
CS700	9/L	12" (305mm)
CS700	10/XL	12" (305mm)
CS700	11/XXL	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



SHOWA®
CS701

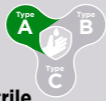
Double dipped nitrile coating with rough grip over seamless liner offering forearm protection

BENEFITS

- Anti-slip Grip
- Chemical-resistant
- Oil-resistant
- Seamless knit
- Robust durability
- Forearm protection
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Grip: **Rough**
+FDA 21 CFR 177.2600

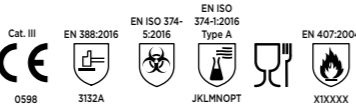


APPLICATIONS

- Ice grip
- Chemical Handling
- Fruit & vegetable processing
- Washing and cleaning
- Food processing

REF	SIZE	LENGTH
CS701	7/S	14" (357mm)
CS701	8/M	14" (357mm)
CS701	9/L	14" (357mm)
CS701	10/XL	14" (357mm)
CS701	11/XXL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



SHOWA®
CS710

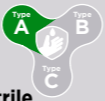
Foamed nitrile palm coating with enhanced grip and seamless liner

BENEFITS

- Chemical-resistant
- Oil-resistant
- Seamless knit
- Extra Grip in oil
- Robust durability
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Microporous nitrile
Grip: **Foam**



APPLICATIONS

- Chemical
- Washing and cleaning
- Parts cleaning
- Sanitation

REF	SIZE	LENGTH
CS710	7/S	12" (305mm)
CS710	8/M	12" (305mm)
CS710	9/L	12" (305mm)
CS710	10/XL	12" (305mm)
CS710	11/XXL	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



SHOWA®
CS711

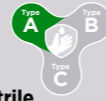
Foamed nitrile palm coating with enhanced grip and seamless liner offering forearm protection

BENEFITS

- Chemical-resistant
- Oil-resistant
- Extra Grip in oil
- Seamless knit
- Robust durability
- Forearm protection
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Microporous nitrile
Grip: **Foam**

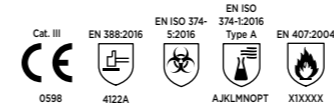


APPLICATIONS

- Chemical Handling
- Washing and cleaning
- Parts cleaning
- Sanitation

REF	SIZE	LENGTH
CS711	7/S	14" (357mm)
CS711	8/M	14" (357mm)
CS711	9/L	14" (357mm)
CS711	10/XL	14" (357mm)
CS711	11/XXL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



SHOWA®
CS720

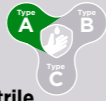
Rough finish nitrile palm coating over polyester liner

BENEFITS

- Seamless knit
- Increased dexterity
- Oil-resistant
- Chemical-resistant
- Anti-slip Grip
- Robust durability
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Grip: **Rough**
+FDA 21 CFR 177.2600

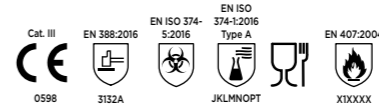


APPLICATIONS

- Chemical Handling
- Commercial fishing
- Food processing

REF	SIZE	LENGTH
CS720	7/S	12" (305mm)
CS720	8/M	12" (305mm)
CS720	9/L	12" (305mm)
CS720	10/XL	12" (305mm)
CS720	11/XXL	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



SHOWA®
CS721

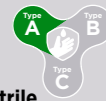
Rough finish nitrile palm coating over polyester liner offering forearm protection

BENEFITS

- Seamless knit
- Increased dexterity
- Oil-resistant
- Chemical-resistant
- Forearm protection
- Anti-slip Grip
- Robust durability
- Natural rubber free

FEATURES

Liner: **Polyester**
Coating: **Double coated nitrile**
Grip: **Rough**
+FDA 21 CFR 177.2600

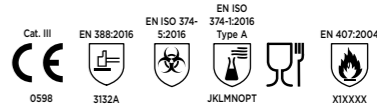


APPLICATIONS

- Chemical Handling
- Commercial fishing
- Food processing

REF	SIZE	LENGTH
CS721	7/S	14" (357mm)
CS721	8/M	14" (360mm)
CS721	9/L	14" (357mm)
CS721	10/XL	14" (357mm)
CS721	11/XXL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 polybags per case.



NITRILE



SHOWA®
717

Unsupported, full nitrile coating with bisque finish

BENEFITS

- Chemical-resistant
- Forearm protection
- Flexible
- Form fitting
- Impermeable

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **11 mil (0.28mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

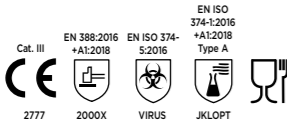


APPLICATIONS

- Food packing and handling
- Fruit & vegetable processing
- Poultry, meat & seafood processing
- Washing and cleaning
- Laboratory, pharma & analysis
- Light chemical handling

REF	SIZE	LENGTH
717	6/XS	13" (330mm)
717	7/S	13" (330mm)
717	8/M	13" (330mm)
717	9/L	13" (330mm)
717	10/XL	13" (330mm)
717	11/XXL	13" (330mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
727

Unsupported, full nitrile coating with bisque finish

BENEFITS

- Chemical-resistant
- Forearm protection
- Flexible
- Impermeable

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **15 mil (0.38mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

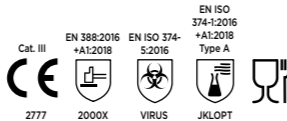


APPLICATIONS

- Handling plants and vegetables
- Handling light chemicals
- Food packing and handling
- Washing and cleaning
- Fruit & vegetable processing
- Poultry, meat & seafood processing

REF	SIZE	LENGTH
727	6/XS	13" (330mm)
727	7/S	13" (330mm)
727	8/M	13" (330mm)
727	9/L	13" (330mm)
727	10/XL	13" (330mm)
727	11/XXL	13" (330mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.



The SHOWA® 727 nitrile glove provides protection against a broad range of oils, solvents and chemicals. Textured finish increases wet grip for enhanced ease and safety in handling food.

NITRILE



SHOWA®
730

Unsupported, full nitrile coating with bisque finish and cotton flocked lining

BENEFITS

- Forearm protection
- Chemical-resistant
- Impermeable
- Easy donning & doffing

FEATURES

Liner: **Cotton Flocked**
Coating: **Nitrile**
Thickness: **15 mil (0.38mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

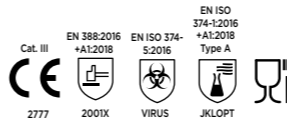


APPLICATIONS

- Handling plants and vegetables
- Handling light chemicals
- Food packing and handling
- Washing and cleaning
- Fruit & vegetable processing
- Poultry, meat & seafood processing

REF	SIZE	LENGTH
730	6/XS	13" (330mm)
730	7/S	13" (330mm)
730	8/M	13" (330mm)
730	9/L	13" (330mm)
730	10/XL	13" (330mm)
730	11/XXL	13" (330mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
737

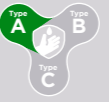
Unsupported, nitrile coating with textured finish and extended length

BENEFITS

- Forearm protection
- Chemical-resistant
- Oil-resistant
- Impermeable

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **22 mil (0.56mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

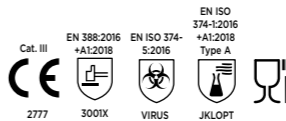


APPLICATIONS

- Chemical spray and treatment
- Pool /Pond Maintenance
- Handling plants and vegetables
- Washing and cleaning

REF	SIZE	LENGTH
737	7/S	15" (381mm)
737	8/M	15" (381mm)
737	9/L	15" (381mm)
737	10/XL	15" (381mm)
737	11/XXL	15" (381mm)

PACKAGING: 6 pairs per polybag.
6 dozen per case.



SHOWA®
747

Unsupported, full nitrile coating with textured finish and elbow length

BENEFITS

- Forearm protection
- Chemical-resistant
- Oil-resistant
- Impermeable

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **22 mil (0.56mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

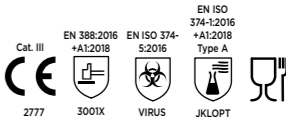


APPLICATIONS

- Chemical spray and treatment
- Handling light chemicals
- Coating preparation
- Washing and cleaning
- Pool/Pond maintenance

REF	SIZE	LENGTH
747	7/S	19" (483mm)
747	8/M	19" (483mm)
747	9/L	19" (483mm)
747	10/XL	19" (483mm)
747	11/XXL	19" (483mm)

PACKAGING: 6 pairs per polybag.
6 dozen per case.





NITRILE

SHOWA®
CN740

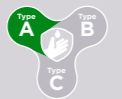
Unsupported, biodegradable nitrile

BENEFITS

- Biodegradable
- Chemical-resistant
- Oil-resistant
- Easy donning and doffing

FEATURES

Liner: **Unlined**
with Unique Technology
Coating: **Nitrile**
Thickness: **15 mil (0.38mm)**
Grip: **Wave pattern finish**
+ Eco Best Technology®
+FDA 21 CFR 177.2600



APPLICATIONS

- Light chemical handling
- Washing and cleaning
- Poultry, meat & seafood processing
- Fruit & vegetable processing

REF	SIZE	LENGTH
CN740	7/S	13" (330mm)
CN740	8/M	13" (330mm)
CN740	9/L	13" (330mm)
CN740	10/XL	13" (330mm)
CN740	11/XXL	13" (330mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.

SHOWA®
CN741

Unsupported, biodegradable nitrile

BENEFITS

- Biodegradable
- Forearm protection
- Chemical-resistant
- Oil-resistant
- Easy donning and doffing

FEATURES

Liner: **Unlined**
with Unique Technology
Coating: **Nitrile**
Thickness: **15 mil (0.38mm)**
Grip: **Wave pattern finish**
+ Eco Best Technology®
+FDA 21 CFR 177.2600

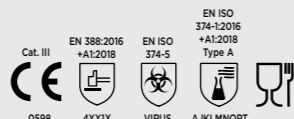


APPLICATIONS

- Light chemical handling
- Washing and cleaning
- Poultry, meat & seafood processing
- Fruit & vegetable processing

REF	SIZE	LENGTH
CN741	7/S	15" (381mm)
CN741	8/M	15" (381mm)
CN741	9/L	15" (381mm)
CN741	10/XL	15" (381mm)
CN741	11/XXL	15" (381mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



WAVE PATTERN GRIP

SHOWA's CN Series gloves provide a new unique technology that performs well in oil, acid and alkaline type chemicals.

The exterior wave pattern enhances the gripping ability and the interior material increases the ease of don/doffing gloves in wet conditions.



New Technology
Interior Liner Material
absorbs moisture
making don/doffing
much easier

NITRILE

SHOWA®
CN750

Unsupported, biodegradable nitrile

BENEFITS

- Biodegradable
- Chemical-resistant
- Oil-resistant
- Easy donning and doffing

FEATURES

Liner: **Unlined**
with Unique Technology
Coating: **Nitrile**
Thickness: **18 mil (0.46mm)**
Grip: **Wave pattern finish**
+ Eco Best Technology®
+FDA 21 CFR 177.2600

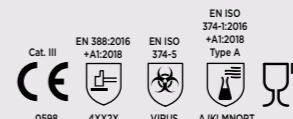


APPLICATIONS

- Light chemical handling
- Washing and cleaning
- Poultry, meat & seafood processing
- Fruit & vegetable processing

REF	SIZE	LENGTH
CN750	7/S	13" (330mm)
CN750	8/M	13" (330mm)
CN750	9/L	13" (330mm)
CN750	10/XL	13" (330mm)
CN750	11/XXL	13" (330mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.

SHOWA®
CN751

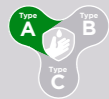
Unsupported, biodegradable nitrile

BENEFITS

- Biodegradable
- Forearm protection
- Chemical-resistant
- Oil-resistant
- Easy donning and doffing

FEATURES

Liner: **Unlined**
with Unique Technology
Coating: **Nitrile**
Thickness: **18 mil (0.46mm)**
Grip: **Wave pattern finish**
+ Eco Best Technology®
+FDA 21 CFR 177.2600



APPLICATIONS

- Light chemical handling
- Washing and cleaning
- Poultry, meat & seafood processing
- Fruit & vegetable processing

REF	SIZE	LENGTH
CN751	7/S	15" (381mm)
CN751	8/M	15" (381mm)
CN751	9/L	15" (381mm)
CN751	10/XL	15" (381mm)
CN751	11/XXL	15" (381mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



This SHOWA® nitrile glove provides protection against a broad range of chemicals with an increased tensile strength allowing for better durability as gloves are put to the test.

CN Series gloves are food safe, FDA compliant and are biodegradable with our Eco Best Technology®.



NITRILE



SHOWA®
NM11

Unsupported, full nitrile coating with tractor tread grip

BENEFITS

- Chemical-resistant
- Increased sensitivity
- Extra Grip

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **11 mil (0.28mm)**
Grip: **Tractor tread**
+FDA 21 CFR 177.2600

APPLICATIONS

- Chemical spray and treatment
- Light chemical handling in agriculture, horticulture
- Laboratory, pharma & analysis
- Pharmaceuticals & API

REF	SIZE	LENGTH
NM11	6/XS	13" (330mm)
NM11	7/S	13" (330mm)
NM11	8/M	13" (330mm)
NM11	9/L	13" (330mm)
NM11	10/XL	13" (330mm)
NM11	11/XXL	13" (330mm)

PACKAGED: 12 pair per polybag.
12 dozen per case.

SHOWA®
NM15/FL

Unsupported, full nitrile coating with tractor tread grip

BENEFITS

- Chemical-resistant
- Increased sensitivity
- Extra Grip

FEATURES

Liner: **NM15-Unlined / NM15FL-Flock-lined**
Coating: **Nitrile**
Thickness: **15 mil (0.38mm)**
Grip: **Tractor tread**
+FDA 21 CFR 177.2600

APPLICATIONS

- Chemical spray and treatment
- Handling plants and vegetables
- Food packing and handling
- Food Service/Food Prep
- Washing & cleaning

REF	REF	SIZE	LENGTH
	NM15FL	6/XS	13" (330mm)
NM15	NM15FL	7/S	13" (330mm)
NM15	NM15FL	8/M	13" (330mm)
NM15	NM15FL	9/L	13" (330mm)
NM15	NM15FL	10/XL	13" (330mm)
NM15	NM15FL	11/XXL	13" (330mm)

PACKAGED: 12 pair per polybag.
12 dozen per case.

SHOWA® ATLAS®
772

Full nitrile coating, with extra nitrile coating on the hand over cotton/polyester liner with extended sleeve and elasticated border

BENEFITS

- Full-arm protection
- Chemical-resistant
- Oil-resistant
- Robust grip
- Abrasion-resistant
- Protection to the shoulder

FEATURES

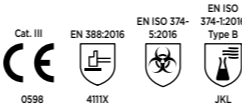
Liner: **Cotton/Polyester**
Coating: **Fully-coated nitrile, Double coated Nitrile on hand**
Thickness: **20 mil (0.51mm)**
Grip: **Rough w/plastic grommett**

APPLICATIONS

- Chemical spray and treatment
- Light Chemical Handling in Horticulture, Agriculture
- Laboratory, pharma & analysis
- Painting & spray workshops

REF	SIZE	LENGTH
772	7/S	26" (660mm)
772	8/M	26" (660mm)
772	9/L	26" (660mm)
772	10/XL	26" (660mm)

INDIVIDUALLY PACKAGED:
6 pairs per polybag.
6 dozen per case.



NITRILE



SHOWA®
NSK 26

Full nitrile coating with rough finish over cotton/polyester jersey liner with extended sleeve and elasticated border

BENEFITS

- Oil-resistant
- Chemical-resistant
- Full-arm protection
- Robust grip
- Abrasion-resistant
- Protection to the shoulder

FEATURES

Liner: **Cotton/Polyester**
Coating: **Nitrile**
Grip: **Rough**
+FDA 21 CFR 177.2600 w/plastic grommett

APPLICATIONS

- Chemical spray and treatment
- Laboratory, pharma & analysis
- Painting & spray workshops
- Life sciences
- Water/Sewage treatment

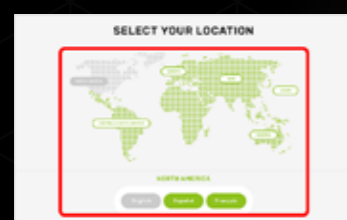
REF	SIZE	LENGTH
NSK26	8/S	26" (660mm)
NSK26	9/M	26" (660mm)
NSK26	10/L	26" (660mm)
NSK26	11/XL	26" (660mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



KNOW YOU'RE PROTECTED

HOW TO USE CHEMREST.COM



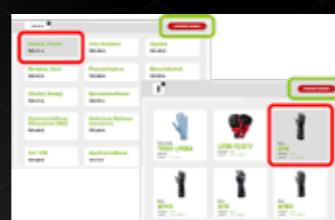
STEP 1

Visit ChemRest.com and select your location and language.



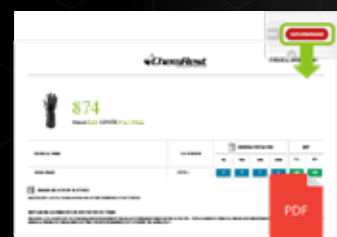
STEP 2

Search for either 1) the chemical name or CAS number you are interested in, or 2) the glove you are using.



STEP 3

Select the chemical, product, or CAS and hit search (multiple chemicals can be selected at once).



STEP 4

See the results for the related chemical information and the breakthrough time that it will take the selected chemical to reach your hand through the glove.



STEP 5

Register for your free account and download your chemical data.



SHOWA'S CHEMICAL LABORATORY SERVICES

As a premium service, SHOWA® offers a free comprehensive analysis of your chemical-resistant glove usage, for example to help with the latest EN 374 compliance requirements. At our in-house chemical laboratory, we are able to test any chemical or chemical mix you may be using. You receive a detailed report with glove recommendations based on your hazardous chemical usage. This program is designed to give the most cost-effective analysis and complete coverage of EN 374 requirements.

Find out more on SHOWAgroup.com

FIND THE RIGHT GLOVE

ChemRest.com is the world's first free, comprehensive chemical resistant research guide for hand protection. It features a user-intuitive navigation, an enhanced chemical search and the ability to compare various gloves against each other.

NEOPRENE



SHOWA® CHM

Unsupported natural rubber latex/neoprene coating with tractor tread grip over cotton flocked liner

BENEFITS

- Extreme flexibility
- Increased sensitivity
- Chemical-resistant
- Neoprene over natural rubber
- Wear indication

FEATURES

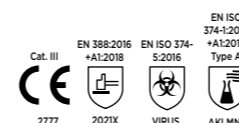
Liner: **Cotton Flocked**
Coating: **Neoprene over Natural Rubber latex**
Thickness: **26 mil (0.66mm)**
Grip: **Tractor tread**
+FDA 21 CFR 177.2600

APPLICATIONS

- Mechanical and engineering
- Painting & spray workshops
- Chemical spray and treatment
- Coating preparation
- Assembly dry and oily parts
- Washing and cleaning

REF	SIZE	LENGTH
CHM	7/S	12" (305mm)
CHM	8/M	12" (305mm)
CHM	9/L	12" (305mm)
CHM	10/XL	12" (305mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® CHMY

Unsupported natural rubber latex/neoprene coating with tractor tread grip over cotton flocked liner

BENEFITS

- Chemical-resistant
- Increased sensitivity
- Extra Grip
- Neoprene coating over natural rubber latex
- Flexible

FEATURES

Liner: **Cotton flocked**
Coating: **Neoprene over Natural Rubber latex**
Thickness: **22 mil (0.56mm)**
Grip: **Tractor tread**

APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis
- Painting & spray workshops
- Battery maintenance

REF	SIZE	LENGTH
CHMY	7/S	12" (305mm)
CHMY	8/M	12" (305mm)
CHMY	9/L	12" (305mm)
CHMY	10/XL	12" (305mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.

GENERAL RECOMMENDATIONS FOR CHEMICAL RESISTANT POLYMERS

Choosing the right chemical protective glove is a difficult task for health and safety managers. Choices are made following multiple criteria such as chemical, time of immersion, splash protection or heavy exposure, repetitiveness of tasks, etc.

The table below gives a general comparison of the chemical protection levels provided by polymers, against 6 of the most commonly found chemical types. Examples of their letter codes, taken from the 18 listed chemicals in EN ISO 374-1, are shown as well.

SHOWA's Chemical Laboratory can conduct more tests in case of uncertainty concerning the choice of protective glove with a given chemical.



CHM Neoprene/Nitrile

Chemical	Protection Level
Alcohol (A: Methanol)	Good
Ketone (B: Acetone)	Good
Aromatics (F: Toluene)	Good
Acid (L, M, N, S*)	Good
Fuel (Kerosene, Gas, Oil)	Good
Alkanes (J: Heptane)	Good

* L: Sulfuric, M: Nitric, N: Acetic, S: Hydrofluoric acid

VISIT CHEMREST.COM TO FIND THE RIGHT GLOVE

NEOPRENE

CHEMICAL
RESISTANCE GUIDE
SHOWA® 3415 AND 3416

CHEMICAL AGENT	CAS NUMBER	ASTM F739 BDT
ACETALDEHYDE	75-07-0	8
ACETONE	67-64-1	17
BENZENE	71-43-2	32
CYCLOHEXANE	110-82-7	>480
CYCLOHEXANONE	108-94-1	140
DIISOBUTYL KETONE	108-83-8	380
MEK	78-93-3	22
METHANOL	67-56-1	136
METHYL ISOPROPYL KETONE	563-80-4	44
METHYLENE CHLORIDE	75-09-2	7
OLEUM (20% FREE SO3)	8014-95-7	165
PENTANE	109-66-0	>480
PHENOL, > 89%	108-95-2	359
SULFURIC ACID, 96%	7664-93-9	265
TETRACHLOROETHYLENE	127-18-4	188
TOLUENE	108-88-3	36
TOLUENE 2,4-DIISOCYANATE	584-84-9	>480
XYLENE	1330-20-7	66

Numbers represent
"time till permeation"
in minutes



SHOWA®
3415

Full neoprene coating over polyester liner

BENEFITS

- Extra Grip
- Chemical-resistant
- Increased dexterity
- Skin-friendly
- Seamless knit

FEATURES

Liner: **Polyester, 15 gauge**
Coating: **Fully-coated neoprene**
Grip: **Rough**

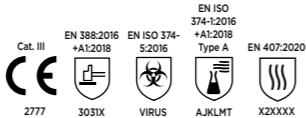


APPLICATIONS

- Chemical spray and treatment
- Drilling
- Digging
- Deck crew
- Water/Sewage treatment
- Chemical handling

REF	SIZE	LENGTH
3415	8/S	14" (357mm)
3415	9/M	14" (357mm)
3415	10/L	14" (357mm)
3415	11/XL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
3416

Full neoprene coating over engineered cut resistant liner

BENEFITS

- ANSI Cut Level A5
- Cut-resistant
- Seamless knit
- Extra Grip
- Increased dexterity

FEATURES

Liner: **HPPE, 15 gauge**
Coating: **Fully-coated neoprene**
Grip: **Rough**

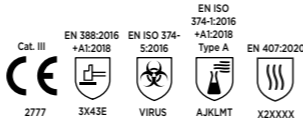


APPLICATIONS

- Chemical spray and treatment
- Handling glass and windows
- Window manufacturing
- Drilling
- Deck crew
- Chemical handling

REF	SIZE	LENGTH
3416	8/S	14" (357mm)
3416	9/M	14" (357mm)
3416	10/L	14" (357mm)
3416	11/XL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



NEOPRENE



SHOWA®
723

Neoprene coating with cotton flocked liner, tractor tread grip

BENEFITS

- Acid-resistant
- Abrasion-resistant
- Extra Grip
- Chemical-resistant

FEATURES

Liner: **Cotton flocked**
Coating: **Neoprene**
Thickness: **24 mil (0.61mm)**
Grip: **Tractor tread**

APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis
- Painting & spray workshops
- Washing & cleaning

REF	SIZE	LENGTH
723	7/S	13" (330mm)
723	8/M	13" (330mm)
723	9/L	13" (330mm)
723	10/XL	13" (330mm)

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
N8

Premium neoprene coating with embossed finish for optimum wet & dry grip

BENEFITS

- Forearm protection
- Oil-resistant
- Chemical-resistant
- Abrasion-resistant
- Robust grip
- Durable

FEATURES

Liner: **Unlined**
Coating: **Fully-coated neoprene**
Thickness: **30 mil (0.76mm)**
Grip: **Bisque**

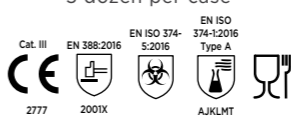


APPLICATIONS

- Coating preparation
- Painting & spray workshops
- Chemical spray and treatment
- Washing and cleaning

REF	SIZE	LENGTH
N8	9/M	18" (457mm)
N8	10/L	18" (457mm)
N8	11/XL	18" (457mm)

INDIVIDUALLY PACKAGED:
12 pairs per polybag
3 dozen per case



SHOWA®
6731

Multi-dipped, liquid-proof neoprene coating with cotton flannel liner

BENEFITS

- Full arm protection
- Chemical resistant
- Liquid-proof
- Flexible
- Sleeve contours to shoulder & arm

FEATURES

Liner: **Cotton flannel**
Coating: **Neoprene**
Grip: **Smooth**
w/metal grommet
Diameter - 11" (279mm)
Circumference - 34.558" (878mm)

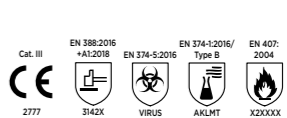


APPLICATIONS

- Laboratory, pharma & analysis
- Painting & spray workshops
- Washing & cleaning
- Deck crew
- Drilling
- Fracking

REF	SIZE	LENGTH
6731	10/L	31" (787mm)

INDIVIDUALLY PACKAGED:
Sold by the pair.





Permeation

The process by which a chemical moves through protective clothing materials at the molecular level. The passage of a liquid or gas through protective clothing consists of three steps; absorption, diffusion and desorption.

Penetration

The process by which a substance moves through a closure, seam or pinhole in protective clothing on a non-molecular level.

Breakthrough Time

The number of minutes from initial contact with a test chemical until it is first detected on the inside of the protective clothing measured using sensitive analytical testing. It is essentially the number of minutes until your skin is exposed inside the gloves or other protective clothing.

Degradation

The deleterious change in one or more physical properties of a protective clothing material due to contact with a chemical. Degradation changes may include delaminating, discoloration, hardening or loss of tensile strength.

Concentration

The amount or mass of a constituent divided by the total mass of a solution. Normally all Organic Solvents tested in this site are 100% pure. Acids and Caustics are solutions in water. In permeation testing of acids, in particular, the concentration will affect the breakthrough time. More concentrated acids will permeate sooner than dilutions.



SHOWA®
6784

Neoprene coating over breathable cotton liner providing enhanced dry grip

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Abrasion-resistant
- Forearm protection

FEATURES

Liner: **Cotton**
Coating: **Fully-coated neoprene**
Grip: **Smooth**
+FDA 21 CFR 177.2600

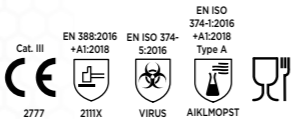


APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis
- Painting & spray workshops
- Chemical Handling

REF	SIZE	LENGTH
6784	10/L	14" (357mm)

PACKAGING: 3 dozen per case.



SHOWA®
6784R

Neoprene coating over breathable cotton liner, with rough grip

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Abrasion-resistant
- Forearm protection

FEATURES

Liner: **Cotton**
Coating: **Fully-coated neoprene**
Grip: **Rough**
+FDA 21 CFR 177.2600

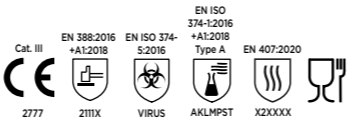


APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Painting & spray workshops
- Chemical Handling

REF	SIZE	LENGTH
6784R	10/L	14" (357mm)

PACKAGING: 3 dozen per case.



SHOWA®
6797

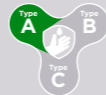
Neoprene coating over breathable cotton liner providing enhanced dry grip

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Forearm protection
- Abrasion-resistant
- Elbow length

FEATURES

Liner: **Cotton**
Coating: **Fully-coated neoprene**
Grip: **Smooth**
+FDA 21 CFR 177.2600



APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Painting & spray workshops
- Chemical Handling

REF	SIZE	LENGTH
6797	10/L	17" (432mm)

PACKAGING: 3 dozen per case.



SHOWA®
6797R

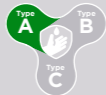
Neoprene coating over breathable cotton liner, with rough grip

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Forearm protection
- Abrasion-resistant
- Elbow length

FEATURES

Liner: **Cotton**
Coating: **Fully-coated neoprene**
Grip: **Rough**
+FDA 21 CFR 177.2600

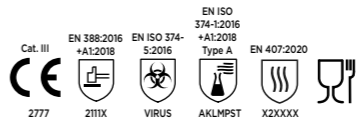


APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Paninting & spray workshops
- Chemical Handling

REF	SIZE	LENGTH
6797R	10/L	17" (432mm)

PACKAGING: 3 dozen per case.



SHOWA®
5122

Full neoprene coating with knit wrist over breathable cotton

BENEFITS

- Acid-resistant
- Abrasion-resistant
- Extra Grip
- Chemical-resistant

FEATURES

Liner: **Cotton**
Coating: **Neoprene**
Grip: **Smooth**
+FDA 21 CFR 177.2600

APPLICATIONS

- Deck crew
- Recycling
- General laboring

REF	SIZE
5122	10/L

PACKAGING: 6 dozen per case.



NATURAL RUBBER LATEX

PVC



SHOWA®
700

Natural rubber latex,
flock lined

- BENEFITS**
- Chemical-resistant
 - Increased sensitivity
 - Robust grip
 - Flexible
 - Easy don/doff

FEATURES
Liner: **Cotton**
flocked
Coating: **Natural Rubber latex**
Thickness: **21 mil (0.53mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

- APPLICATIONS**
- Coating preparation
 - Laboratory, pharma & analysis
 - Light chemical handling in Agriculture, Horticulture
 - Pet food production

REF	SIZE	LENGTH
700	7/S	12" (305mm)
700	8/M	12" (305mm)
700	9/L	12" (305mm)
700	10/XL	12" (305mm)

INDIVIDUALLY PACKAGED:
12 pairs per polybag.
12 dozen per case.

SHOWA®
709

Natural rubber latex,
unlined

- BENEFITS**
- Forearm ptotection
 - Increased sensitivity
 - Chemical-resistant
 - Increased visibility

FEATURES
Liner: **Unlined**
Coating: **Natural Rubber latex**
Thickness: **18 mil (0.46mm)**
Grip: **Bisque**
+FDA 21 CFR 177.2600

- APPLICATIONS**
- Coating preparation
 - Laboratory, pharma & analysis
 - Light chemical handling in Agriculture, Horticulture
 - Pet food production

REF	SIZE	LENGTH
709	8/M	12" (305mm)
709	9/L	12" (305mm)
709	10/XL	12" (305mm)

INDIVIDUALLY PACKAGED:
12 pairs per polybag.
12 dozen per case.

SHOWA®
574

Heavy-duty natural
rubber latex, unlined

- BENEFITS**
- Acid-resistant
 - Abrasion-resistant
 - Chemical-resistant
 - Protection up to shoulder

FEATURES
Liner: **Unlined**
Coating: **Natural Rubber latex**
Thickness: **46 mil (1.17mm)**
Grip: **Bisque**

- APPLICATIONS**
- Chemical spray and treatment
 - Laboratory, pharma & analysis
 - Water/Sewage treatment
 - Drilling
 - Sand blasting

REF	SIZE	LENGTH
574	10/XL	23" (584mm)
574	11/XXL	23" (584mm)

INDIVIDUALLY PACKAGED:
6 pairs per polybag.
3 dozen per case.

SHOWA®
55/558

Chemical resistant natural
rubber latex glove provides
heavy-duty protection for
your hands and forearms

- BENEFITS**
- Forearm ptotection
 - Acid-resistant
 - Chemical resistant
 - Water-resistant

FEATURES
Liner: **Unlined**
Coating: **Natural rubber latex**
Thickness: **40 mil (1.0mm)**
Grip: **Bisque**

- APPLICATIONS**
- Painting & spray workshops
 - Washing & cleaning
 - Water/Sewage treatment
 - Sand blasting

REF	SIZE	LENGTH
55/558	9/L	15" (381mm)/18" (457mm)
55/558	10/XL	15" (381mm)/18" (457mm)
55/558	11/XXL	15" (381mm)/18" (457mm)

INDIVIDUALLY PACKAGED:
12 pairs per polybag
3 dozen per case

SHOWA®
7703R

PVC coated with
cotton jersey liner,
knit wrist

- BENEFITS**
- Abrasion-resistant
 - Chemical-resistant
 - Durable
 - Oil-resistant

FEATURES
Liner: **Cotton Jersey**
Coating: **PVC**
Grip: **Rough**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Maintenance
 - Shipping/Receiving
 - General laboring

REF	SIZE
7703R	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.

SHOWA®
7710/R

PVC coating with
cotton jersey liner,
10" (254mm) gauntlet

- BENEFITS**
- Durable & versatile
 - Chemical-resistant
 - Barrier protection from oils & grease
 - Abrasion resistant

FEATURES
Liner: **Cotton jersey**
Coating: **PVC**
Grip: **7710-Smooth / 7710R-Rough**

- APPLICATIONS**
- Chemical spray and treatment
 - Laboratory, pharma & analysis
 - Painting & spray workshops
 - Washing & cleaning

REF	SIZE	LENGTH
7710	10/L	10" (254mm)
7710R	10/L	10" (254mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.

SHOWA®
7712/R

PVC coating with
cottonjersey liner,
12" (305mm) gauntlet

- BENEFITS**
- Durable & versatile
 - Chemical-resistant
 - Barrier protection from oils & grease
 - Abrasion resistant

FEATURES
Liner: **Cotton jersey**
Coating: **PVC**
Grip: **7712-Smooth / 7712R-Rough**

- APPLICATIONS**
- Chemical spray and treatment
 - Laboratory, pharma & analysis
 - Painting & spray workshops
 - Washing & cleaning

REF	SIZE	LENGTH
7712	10/L	12" (305mm)
7712R	10/L	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.

SHOWA®
7714/R

PVC coating with
cotton jersey liner,
14" (357mm) gauntlet

- BENEFITS**
- Forearm ptotection
 - Durable & versatile
 - Chemical-resistant
 - Barrier protection from oils & grease
 - Abrasion resistant

FEATURES
Liner: **Cotton jersey**
Coating: **PVC**
Grip: **7714-Smooth / 7714R-Rough**

- APPLICATIONS**
- Chemical spray and treatment
 - Laboratory, pharma & analysis
 - Painting & spray workshops
 - Washing & cleaning
 - Public utility

REF	SIZE	LENGTH
7714	10/L	14" (357mm)
7714R	10/L	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.

PVC



SHOWA® ATLAS®

620 Series

Full PVC coating, extra PVC coating on the entire hand over cotton liner, long cuffs

BENEFITS

- Acid-resistant
- Abrasion-resistant
- Extra Grip
- Chemical-resistant
- Flexible
- Soft liner

FEATURES

Liner: **Seamless knit cotton**
Coating: **Full PVC coating, extra coating over entire hand**
Grip: **Rough**
+ **Ergonomic**



APPLICATIONS

- Chemical spray and treatment
- Handling light chemicals in agriculture, horticulture
- Commercial fishing
- Painting & spray workshops

REF	SIZE	LENGTH
620	7/S	12" (305mm)
620	8/M	12" (305mm)
620	9/L	12" (305mm)
620	10/XL	12" (305mm)
620	11/XXL	12" (305mm)
620/34	9/L	13.5" (343mm)
620/36	10/XL	14" (357mm)
620/36	11/XXL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA® ATLAS®

640

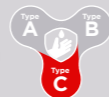
Full PVC coating, extra PVC coating on the entire hand over cotton liner, with extended bonded sleeve

BENEFITS

- Acid-resistant
- Abrasion-resistant
- Extra Grip
- Chemical-resistant
- Flexible
- Full-arm protection

FEATURES

Liner: **Seamless knit cotton**
Coating: **Full PVC coating, extra coating over entire hand**
Grip: **Rough**
Liquid-resistant vinyl sleeve



APPLICATIONS

- Chemical spray and treatment
- Handling light chemicals in agriculture, horticulture
- Laboratory, pharma & analysis
- Pool/pond maintenance

REF	SIZE	LENGTH
640	8/M	26" (660mm)
640	9/L	26" (660mm)
640	10/XL	26" (660mm)

INDIVIDUALLY PACKAGED:
12 pairs per polybag.
6 dozen per case.



SHOWA® ATLAS®

660 Series

Full PVC coating with extra finish over cotton liner

BENEFITS

- Seamless knit liner
- Forearm protection
- Chemical-resistant
- Robust grip
- Durable
- Machine washable

FEATURES

Liner: **Seamless knit cotton**
Coating: **Triple-dipped PVC coating**
Grip: **Rough**
+ **Ergonomic**

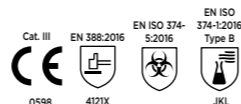


APPLICATIONS

- Chemical spray and treatment
- Painting & spray workshops
- Commercial fishing

REF	SIZE	LENGTH
660	7/S	12" (305mm)
660	8/M	12" (305mm)
660	9/L	12" (305mm)
660	10/XL	12" (305mm)
660	11/XXL	12" (305mm)
660/34	9/L	13.5" (343mm)
660/36	10/XL	14" (357mm)
660/36	11/XXL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



PVC



SHOWA® ATLAS®

KV660

Full PVC coating, extra PVC coating on the entire hand over Kevlar® liner

BENEFITS

- Seamless knit liner
- Abrasion-resistant
- Durable
- Cut-resistant, A2
- Oil-resistant
- Machine washable
- Chemical-resistant

FEATURES

Liner: **Seamless Kevlar®**
Coating: **Triple-dipped PVC**
Grip: **Rough**



APPLICATIONS

- Bottling
- HVAC
- Plumbing
- Guttering and drain pipe
- Petrochemical

REF	SIZE	LENGTH
KV660	8/M	12" (305mm)
KV660	9/L	12" (305mm)
KV660	10/XL	12" (305mm)
KV660	11/XXL	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®

B0700

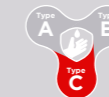
Unsupported PVC glove with embossed grip, ideal for clean applications

BENEFITS

- Form-fitting
- Easy donning and doffing
- Chemical-resistant
- Water-resistant

FEATURES

Liner: **Unsupported**
Coating: **Full PVC**
Thickness: **12 mil (0.30mm)**
Grip: **Embossed**

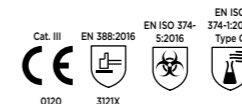


APPLICATIONS

- Intricate parts handling
- Mechanical and engineering
- Painting & spray workshops
- Integrated circuits
- Semiconductors

REF	SIZE	LENGTH
B0700	7/S	12" (305mm)
B0700	8/M	12" (305mm)
B0700	9/L	12" (305mm)
B0700	10/XL	12" (305mm)

INDIVIDUALLY PACKAGED:
10 pairs per polybag.
24 polybags per case.



SHOWA®

660ESD

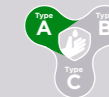
Full PVC coating with extra PVC rough finish on the hand over seamless knit cotton with Anti-static protection

BENEFITS

- Oil-resistant
- Extra Grip
- Abrasion-resistant
- Form-fitting
- Anti-static
- Chemical-resistant

FEATURES

Liner: **Seamless knit Cotton**
Coating: **Full PVC**
Grip: **Rough**



APPLICATIONS

- Chemical spray and treatment
- Refining
- Petrochemical
- Oil & Gas

REF	SIZE	LENGTH
660ESD	9/L	12" (305mm)
660ESD	10/XL	12" (305mm)

INDIVIDUALLY PACKAGED:
10 pairs per polybag.
5 dozen per case.





BUTYL



SHOWA®

874/R

Unlined, unsupported butyl coating with smooth & rough grip finish

BENEFITS

- Acid-resistant
- Chemical-resistant
- Impermeable
- Water-resistant
- Forearm protection

FEATURES

Liner: **Unlined**
Coating: **Butyl**
Thickness: **14 mil (0.36mm)**
Grip: **874-smooth/874R-rough**
Rollled Cuff



APPLICATIONS

- Chemical spray & treatment
- Laboratory, pharma & analysis
- Painting & spray workshops
- Pipe Fitters
- Drilling

REF	REF	SIZE	LENGTH
874	874R	7/S	14" (357mm)
874	874R	8/M	14" (357mm)
874	874R	9/L	14" (357mm)
874	874R	10/XL	14" (357mm)
874	874R	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



SHOWA®

875/R

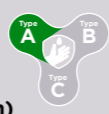
Unlined, unsupported butyl coating

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Abrasion-resistant
- Forearm protection

FEATURES

Liner: **Unlined**
Coating: **Butyl**
Thickness: **14 mil (0.36mm)**
Grip: **875-Smooth / 875R-Rough**



APPLICATIONS

- Chemical industry
- Acetone & ketone components
- Acid components
- Police & army
- Mustard gas protection

REF	REF	SIZE	LENGTH
875	875R	7/S	14" (357mm)
875	875R	8/M	14" (357mm)
875	875R	9/L	14" (357mm)
875	875R	10/XL	14" (357mm)
875	875R	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



SHOWA®

878/R

Unlined, unsupported butyl coating with smooth & rough grip finish

BENEFITS

- Acid-resistant
- Chemical-resistant
- Impermeable
- Water-resistant
- Forearm protection

FEATURES

Liner: **Unlined**
Coating: **Butyl**
Thickness: **28 mil (0.70mm)**
Grip: **878-smooth/878R-rough**
Rollled Cuff

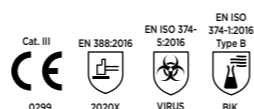


APPLICATIONS

- Chemical spray & treatment
- Coating preparation
- Laboratory, pharma & analysis
- Painting & spray workshops

REF	REF	SIZE	LENGTH
878R	878R	7/S	14" (357mm)
878	878R	8/M	14" (357mm)
878	878R	9/L	14" (357mm)
878	878R	10/XL	14" (357mm)
878	878R	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



BUTYL



SHOWA®

879/R

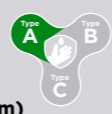
Unlined, unsupported butyl coating

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Abrasion-resistant
- Forearm protection

FEATURES

Liner: **Unlined**
Coating: **Butyl**
Thickness: **28 mil (0.70mm)**
Grip: **879-Smooth / 879R-Rough**



APPLICATIONS

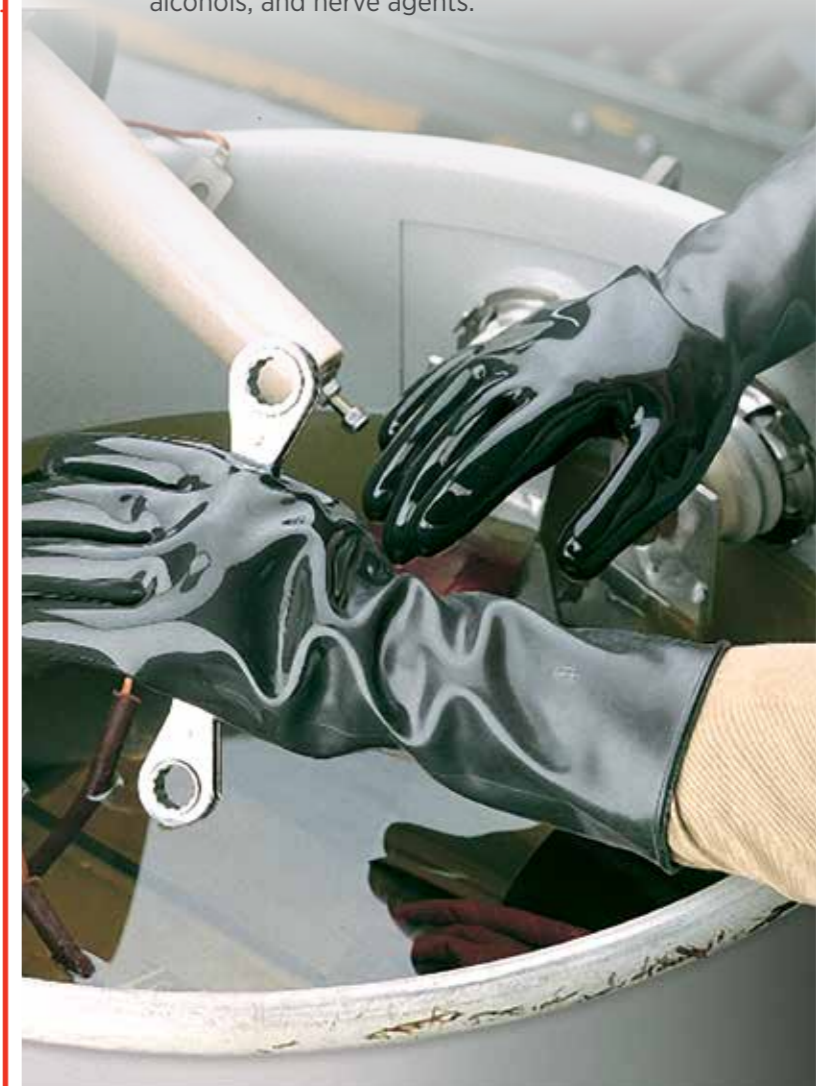
- Chemical spray and treatment
- Laboratory, pharma & analysis
- Public utility
- Toxic gases

REF	REF	SIZE	LENGTH
879	879R	8/M	14" (357mm)
879	879R	9/L	14" (357mm)
879	879R	10/XL	14" (357mm)
879	879R	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



Engineered with unlined Butyl these gloves are acid-resistant and provide the highest permeation resistance to gases and water vapors, as well as protection against ketones, alcohols, and nerve agents.





VITON



SHOWA®
890

Unlined, viton over butyl coating with forearm protection

BENEFITS

- Acid-resistant
- Hydrocarbon-resistant
- Impermeable
- Forearm protection

FEATURES

Liner: **Unlined**
Coating: **Viton® / Butyl**
Thickness: **28 mil (0.70mm)**
Grip: **Smooth**

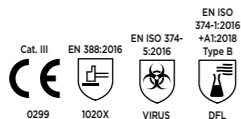


APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Painting & spray workshops
- Washing and cleaning
- Fracking
- Pipe Fitters

REF	SIZE	LENGTH
890	9/L	14" (357mm)
890	10/XL	14" (357mm)
890	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



SHOWA®
891

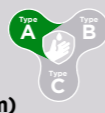
Unlined, viton over butyl coating with forearm protection

BENEFITS

- Acid-resistant
- Chemical-resistant
- Oil-resistant
- Forearm protection
- Abrasion-resistant

FEATURES

Liner: **Unlined**
Coating: **Viton® / Butyl**
Thickness: **28 mil (0.70mm)**
Grip: **Smooth**



APPLICATIONS

- Petrochemical
- Chemical Industry
- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis

REF	SIZE	LENGTH
891	9/L	14" (357mm)
891	10/XL	14" (357mm)
891	11/XXL	14" (357mm)

PACKAGING: 1 pair per polybag.



SHOWA®
892

Unlined, viton over butyl coating

BENEFITS

- Acid-resistant
- Chemical-resistant
- Hydrocarbon-resistant
- Impermeable

FEATURES

Liner: **Unlined**
Coating: **Viton® / Butyl**
Thickness: **12 mil (0.30mm)**
Grip: **Smooth**

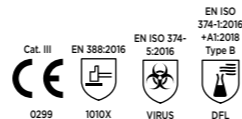


APPLICATIONS

- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis
- Painting & spray workshops
- Fracking
- Drilling

REF	SIZE	LENGTH
892	7/S	12" (305mm)
892	8/M	12" (305mm)
892	9/L	12" (305mm)
892	10/XL	12" (305mm)
892	11/XXL	12" (305mm)

PACKAGING: 1 pair per polybag.



VITON



SHOWA®
893

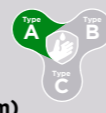
Unlined, viton over butyl coating

BENEFITS

- Oil-resistant
- Chemical-resistant
- Abrasion-resistant
- Robust grip

FEATURES

Liner: **Unlined**
Coating: **Viton® / Butyl**
Thickness: **12 mil (0.30mm)**
Grip: **Smooth**



APPLICATIONS

- Petrochemical
- Chemical Industry
- Chemical spray and treatment
- Coating preparation
- Laboratory, pharma & analysis

REF	SIZE	LENGTH
893	7/S	12" (305mm)
893	8/M	12" (305mm)
893	9/L	12" (305mm)
893	10/XL	12" (305mm)
893	11/XXL	12" (305mm)

PACKAGING: 1 pair per polybag.



Forged with fluoroelastomer rubber, the SHOWA® 893 chemical and acid resistant glove provides superior resistance to highly corrosive acids. The viton over butyl coating is designed for handling aliphatic and aromatic hydrocarbons, such as Benzene, Toulene, and Xylene.



VISIT [CHEMREST.COM](https://chemrest.com) TO FIND THE RIGHT GLOVE

VISIT [CHEMREST.COM](https://chemrest.com) TO FIND THE RIGHT GLOVE

CUT THROUGH THE CONFUSION

UNDERSTANDING YOUR PROTECTION
AGAINST MECHANICAL RISKS



UNDERSTANDING YOUR CUT GLOVE

IDENTIFYING YOUR PROTECTION: REPORTING & MARKINGS

The new standards have more cut resistance levels which make them more precise and accurate when it comes down to determining the cut level of a glove. Before the update, an ANSI level A4 would range from 1500 up to 3499 grams. It was therefore suitable for both manufacturing as well as metal stamping; two applications with very different cut resistance requirements. The new levels make it much easier to identify the different cut protection levels.

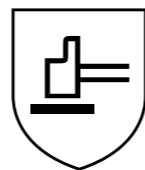
REPORTING & MARKINGS EN 388

EN 388 (CE)
OLD
STANDARD



EXAMPLE	
Abrasion (cycles)	LEVEL 3
Cut (Coup Test)	LEVEL 4
Tear (N)	LEVEL 4
Puncture (N)	NOT TESTED

EN 388 (CE)
NEW
STANDARD



EXAMPLE	
Abrasion (cycles)	LEVEL 3
Cut (Coup Test)	NOT TESTED
Tear (N)	LEVEL 4
Puncture (N)	NOT TESTED
Cut (TDM-100 Test)	LEVEL E
Impact Protection	ACHIEVED

REPORTING & MARKINGS ANSI

**ANSI/ISEA
ASTM F2992-15**
OLD
STANDARD



LOAD (GRAMS)	ANSI/ISEA 105-11
<200	0
201-499	1
500-999	2
1000-1499	3
1500-3499	4
> 3500	5

Cut level 4 from the old standard has been segmented into 3 levels which makes the new A levels more precise. Furthermore, the levels A7 – A9 include a heavier load (amount of grams) and therefore differentiate superior cut-resistant gloves in a more effective way.

**ANSI/ISEA
ASTM F2992-15**
NEW
STANDARD



LOAD (GRAMS)	ANSI/ISEA 105-11
<200	-
201-499	A1
500-999	A2
1000-1499	A3
1500-2199	A4
2200-2999	A5
3000-3999	A6
4000-4999	A7
5000-5999	A8
> 6000+	A9

MEASURING NEWTONS VS. GRAMS

- EN 388 reports the test results in Newtons, ANSI report in grams
- The cut resistance is determined by the load required to cut through a sample over a distance of 20mm.

ANSI vs. EN

ANSI/ISEA 105: measures
MASS using grams

EN 388: measures
FORCE using newtons

N=gx0.00981

force = mass x 0.00981

EN 388 tested to ISO13997

	newtons	grams
A	2-5	204-508
B	5-10	509-1019
C	10-15	1020-1529
D	15-22	1530-2242
E	22-30	2243-3058
F	30+	3059+

ANSI/ISEA 105-16

	grams
A1	200-499
A2	500-999
A3	1000-1499
A4	1500-2199
A5	2200-2999
A6	3000-3999
A7	4000-4999
A8	5000-5999
A9	6000+

ANSI/ISEA 105-05

	grams
1	200-499
2	500-999
3	1000-1499
4	1500-3499
5	3500+

**ACROSS THE SCOPE AND ACROSS THE GLOBE,
SHOWA® HAS YOU COVERED**

		LOW CUT LEVEL NEEDED	MEDIUM CUT LEVEL NEEDED	HIGH CUT LEVEL NEEDED						
ANSI/ISEA		A1	A2	A3	A4	A5	A6	A7	A8	A9
EN 388: 2016		A	B	C	D	E	F			
↑ <div>SEVERITY</div>	-	KV660	KV350	S-TEX 300	8110	-	8127	S-TEX 303	-	
	-	541	KV300	S-TEX 350	S-TEX 581	-	257	-	-	
	-	540	546 546W 546X	S-TEX 377	3416	-	257X	-	-	
	-	545	346	S-TEX 541	-	-	-	-	-	
	-	KV660	386	234X	-	-	-	-	-	
	-	-	576	240	-	-	-	-	-	
	-	-	577	4561	-	-	-	-	-	
	-	-	240	4568	-	-	-	-	-	

RISK OF INJURY →

SHOWA®
Always Innovating. Never Imitating.

CUT LEVEL A2



SHOWA®
540
Polyurethane coating on palm
over HPPE liner

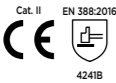
- BENEFITS**
- ANSI A2 Cut-resistance
 - Machine washable
 - Lightweight
 - Form-fitting

FEATURES
Liner: **13 gauge seamless knit HPPE**
Coating: **Polyurethane palm**
Grip: **Rough**
+ **Ergonomic**

- APPLICATIONS**
- Mechanical and engineering
 - Intricate parts handling
 - Component Assembly
 - Aerospace

REF	SIZE
540	6/S
540	7/M
540	8/L
540	9/XL
540	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
541
Polyurethane coating on palm
over HPPE liner

- BENEFITS**
- ANSI A2 Cut-resistance
 - Seamless knit
 - Machine washable
 - Lightweight

FEATURES
Liner: **13 gauge seamless knit HPPE**
Coating: **Polyurethane palm**
Grip: **Rough**
+ **Ergonomic**

- APPLICATIONS**
- Mechanical and engineering
 - Intricate parts handling
 - Component Assembly
 - Automotive

REF	SIZE
541	6/S
541	7/M
541	8/L
541	9/XL
541	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



CUT LEVEL A2 CUT LEVEL A3



SHOWA® ATLAS®
KV660
Full PVC coating, extra PVC
coating on the entire hand
over Kevlar® liner

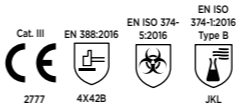
- BENEFITS**
- ANSI A2 Cut-resistance
 - Seamless knit
 - Abrasion-resistant
 - Oil-resistant
 - Chemical-resistant

FEATURES
Liner: **Seamless Kevlar®**
Coating: **Triple-dipped PVC**
Grip: **Rough**

- APPLICATIONS**
- Bottling
 - Plumbing
 - Guttering and drain pipe
 - Water/sewage treatment

REF	SIZE	LENGTH
KV660	8/M	12" (305mm)
KV660	9/L	12" (305mm)
KV660	10/XL	12" (305mm)
KV660	11/XXL	12" (305mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
68NFW
The industry's first
wrinkle-finished, Natural
Rubber Latex-coated glove
design with a Kevlar® liner

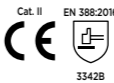
- BENEFITS**
- ANSI A3 Cut-resistance
 - Seamless knit
 - Abrasion-resistant
 - Durable
 - Oil-resistant
 - Robust grip

FEATURES
Liner: **Cotton made with Kevlar®**
Coating: **Natural Rubber latex**
Grip: **Rough**

- APPLICATIONS**
- Handling glass and windows
 - Window manufacturing
 - HVAC
 - Recycling

REF	SIZE
68NFW	9/M
68NFW	10/L

PACKAGING: 6 dozen per case.



[DURACOIL®]

THE REVISION OF THE PPE REGULATIONS IN 2016 RESULTED IN A MARKET-WIDE DOWNGRADE IN EN 388 AND ANSI 105 CUT LEVEL SCORES FOR RE-CERTIFIED PRODUCTS. ACROSS THE BOARD, GENERAL-PURPOSE GLOVES FOR MEDIUM-LOW RISKS DECREASED FROM CUT LEVEL 5-C/A3 TO 5-B/A2 AND UNDER.

CUT
RESISTANT
C/A3



Modern day users have access to enough information on the norm changes to take better responsibility for their cut protection needs. This created an increase in demand for more versatile solutions designed to meet safety and comfort requirements, at a lower price. On the other hand, research shows that many users still wear general purpose gloves with low cut resistance levels – the former EN 388 and ANSI cut 5 being B/ A2. This increases the risks of injuries and jeopardizes workers' safety; ultimately a "lose-lose" situation for the industry.

At SHOWA®, we saw these changes as an opportunity to seriously evaluate our product offerings and asked ourselves: **Do our customers really want the cheapest hand-protection solution, or the best value for money?**

We believe the answer is value for money, so our R&D team developed our latest SHOWA® technology, DURACOIL® – a cut resistant liner that increases the cut protection of multi-purpose gloves without compromising on comfort.

DURACOIL® is comprised of two words:

- **DURABLE** = the gloves are designed for maximum comfort, to be worn for extended periods of time
- **COIL** = the wrapping technique where fibers are coiled over the others in layers



HOW DOES IT WORK?

The DURACOIL® liner is engineered by tightly wrapping multifilament polyester around a cut resistant fiber, then reinforcing it with High-Performance Polyethylene (HPPE). The technique is very important to user comfort; if not done correctly, the fibers will irritate the skin. This therefore creates a premium lightweight yarn that offers comfort, durability, and increased cut protection.



WHAT IS MULTIFILAMENT YARN?

A high tenacity yarn that consists of many ultra-fine strands or filaments, wound together in an untwisted or unknotted way. These are smoother to touch, ultra-light and used for sturdy products, such as airbags, mooring lines for ships, and the strings of tennis rackets. Typical multifilament examples are Microfiber and Nanofiber.

IMAGINE ALL YOU CAN DO WITH A CONSOLIDATED CUT SERIES

SHOWA® responds to market demands for a one-stop shop solution with a complete series of seven Cut C/A3 glove models, with SHOWA® quality and service at a nominal price.

The new DURACOIL® glove series caters to a wide range of needs and applications, offering a versatile new range that consolidates your glove inventory for optimized productivity and reduced costs.

By combining the fit, dexterity, and grip needed for multipurpose applications, with the upgraded DURACOIL® cut-resistant liner, we ensure safe, dry, and comfortable hands. Whether performing tasks in dry, greasy, oily, or wet environments, there are no more excuses to not wear gloves.

	Non-Abrasive	Lacerations & Snags	Durability & Tactility	Grip Handling Performance	Wet & Oil Grip Comfort		
	Dry and non-abrasive environments, composite handling	Assembling sharp metal parts and components	Handling parts and assembly in dry environments	General maintenance and logistics	Handling parts and assembly in humid environments	Assembling and handling sharp-edged objects and parts in light greasy and oily environments	Assembling and handling sharp-edged objects and parts in heavy oily environments
546X Uncoated	✋	✋					
546 Polyurethane		✋	✋	✋			
546W White reinforced polyurethane		✋	✋	✋			
346 Natural rubber			✋	✋	✋		
386 Microporous nitrile		✋				✋	
576 3/4 nitrile, extra foam nitrile		✋					✋
577 Fully dipped nitrile, extra foam nitrile		✋					✋

CUT LEVEL A3



SHOWA®
**DURACoil®
546**

Polyurethane coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Seamless knit
- Abrasion-resistant
- Breathable
- Form-fitting
- Machine washable

FEATURES

Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Polyurethane**
Grip: **Rough**

APPLICATIONS

- Intricate parts handling
- Light assembly
- Mechanical and engineering
- Aerospace

REF	SIZE
546	6/S
546	7/M
546	8/L
546	9/XL
546	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
**DURACoil®
546W**

White reinforced polyurethane coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Seamless knit
- Breathable
- Abrasion-resistant
- Form-fitting
- Machine washable

FEATURES

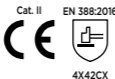
Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Polyurethane**
Grip: **Rough**

APPLICATIONS

- Intricate parts handling
- Light assembly
- Mechanical and engineering
- Aerospace

REF	SIZE
546W	6/S
546W	7/M
546W	8/L
546W	9/XL
546W	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
**DURACoil®
546X**

Uncoated engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Seamless knit
- Breathable
- Form-fitting
- Machine washable
- Great as a liner

FEATURES

Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Uncoated**
Grip: **Smooth**

APPLICATIONS

- Life sciences
- Semiconductors
- White goods
- Quality control

REF	SIZE
546X	6/S
546X	7/M
546X	8/L
546X	9/XL

PACKAGING: 10 pairs per polybag.
20 polybags per case.



CUT LEVEL A3



SHOWA®
**DURACoil®
346**

Natural rubber latex coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Form-fitting
- Machine washable
- Abrasion-resistant
- Seamless knit
- Dry grip

FEATURES

Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Steel fixing
- Handling glass and windows
- Manufacturing

REF	SIZE
346	6/S
346	7/M
346	8/L
346	9/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
**DURACoil®
386**

Microporous nitrile coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Form-fitting
- Machine washable
- Extra Grip in oil
- Abrasion-resistant
- Seamless knit

FEATURES

Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Microporous foam nitrile**
Grip: **Embossed S-shape**

APPLICATIONS

- Intricate parts handling
- Flashings and seals
- Maintenance
- Steel fixing
- Airports & Ports

REF	SIZE
386	6/S
386	7/M
386	8/L
386	9/XL
386	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



The SHOWA® 386 is suitable for all environments with nitrile coating providing extra grip. Whereas the SHOWA® 346 is natural rubber coated and better suited to dry environments where no oil or grease is present.



Don't compromise on flexibility when seeking high durable cut-resistant gloves. Both models produced with our DURACoil® technology.

CUT LEVEL A3



SHOWA®
DURACoil®
576

Foamed nitrile on ¾ dipped flat nitrile coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Abrasion-resistant
- Robust grip
- Machine washable
- Water-resistant

FEATURES

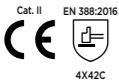
Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Light assembly
- Mechanical and engineering
- Handling glass and windows
- Canning

REF	SIZE
576	6/S
576	7/M
576	8/L
576	9/XL
576	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
DURACoil®
577

Foamed nitrile on fully dipped nitrile coating over engineered DURACoil® liner reinforced with HPPE

BENEFITS

- ANSI A3 Cut-resistance
- Abrasion-resistant
- Robust grip
- Machine washable
- Water-resistant

FEATURES

Liner: **13-gauge seamless engineered yarn/polyester with HPPE**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Mechanical and engineering
- Plumbing
- Canning
- Mounting and dismantling

REF	SIZE
577	6/S
577	7/M
577	8/L
577	9/XL
577	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



Thanks to engineered DURACoil® wrapping technology, both the SHOWA® 576 & 577 gloves protect the hands from a range of hazardous applications. The nitrile coating delivers superior wet and dry grip.



The 576 is ¾ nitrile coated allowing breathability compared to the 577 which is fully coated for full protection.

CUT LEVEL A3



SHOWA® ATLAS®
KV300

Natural rubber latex coating on palm over Kevlar® liner

BENEFITS

- ANSI A3 Cut-resistance
- Seamless knit
- Flexible
- Durable
- Dry grip

FEATURES

Liner: **10-gauge seamless Kevlar®**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Bottling
- Handling glass and windows
- Canning
- Construction

REF	SIZE
KV300	7/S
KV300	8/M
KV300	9/L
KV300	10/XL
KV300	11/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
KV350

Nitrile coating on palm over Kevlar® liner

BENEFITS

- ANSI A3 Cut-resistance
- Seamless knit
- Flexible
- Durable

FEATURES

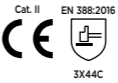
Liner: **10-gauge seamless Kevlar®**
Coating: **Nitrile**
Grip: **Smooth**

APPLICATIONS

- Bottling
- Handling glass and windows
- Canning
- HVAC

REF	SIZE
KV350	7/S
KV350	8/M
KV350	9/L
KV350	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



KV300 is made with a palm-dipped natural rubber latex coating, and the KV350 is made with a nitrile palm coating. Both models offer long lasting grip and have a seamless liner made with Kevlar®. The perfect gloves for handling heavy equipment, glass and windows.

CUT LEVEL A3

CUT LEVEL A4

CUT LEVEL A4



A3

SHOWA®
S237-16T

Medium weight
16" (406mm) sleeve
made with HPPE
engineered fiber

- BENEFITS**
- ANSI A3 Cut-resistance
 - Seamless knit
 - Machine washable

FEATURES
Liner: **7-gauge seamless engineered fiber with HPPE**
Coating: **Uncoated**
Grip: **Uncoated**
Thumb loop

- APPLICATIONS**
- Food packing and handling
 - Handling glass and windows
 - Bottling
 - HVAC
 - Beverage

REF	SIZE	LENGTH
S237-16T	9/L	16" (406mm)
S237-16T	10/XL	16" (406mm)

T= Thumb Loop

PACKAGING: 2 sleeves per pack



A3

SHOWA®
8113

HPPE yarn with
seamless Thermax®
lined knit

- BENEFITS**
- ANSI A3 Cut-resistance
 - Thermal insulation
 - Breathable
 - Machine washable

FEATURES
Liner: **13-gauge seamless Thermax® lined knit with AlphaSan®**
Coating: **Uncoated**
Grip: **Uncoated**
+FDA 21 CFR 177.2600

- APPLICATIONS**
- Handling plants & vegetables
 - Food packaging and handling
 - Food Service/Food prep
 - Fruit & vegetable processing
 - Poultry, meat & seafood processing

REF	SIZE
8113	6/XS
8113	7/S
8113	8/M
8113	9/L
8113	10/XL
8113	11/XXL

PACKAGING: 12 gloves per case.



A3

SHOWA®
8113C

PVC coated HPPE yarn
with seamless Thermax®
lined knit, PVC dots

- BENEFITS**
- ANSI A3 Cut-resistance
 - Thermal insulation
 - Breathable
 - Machine washable

FEATURES
Liner: **13-gauge seamless Thermax® lined knit with AlphaSan®**
Coating: **PVC dots**
Grip: **Dots**

- APPLICATIONS**
- Intricate parts handling
 - Mechanical and engineering
 - Handling heavy equipment
 - Handling glass and windows
 - Window manufacturing
 - HVAC

REF	SIZE
8113C	6/XS
8113C	7/S
8113C	8/M
8113C	9/L
8113C	10/XL

PACKAGING: 12 gloves per case.



A4

DuPont™
Kevlar.

SHOWA®
240

Sponge neoprene palm
coating over Kevlar®
modacrylic,
fiberglass liner

- BENEFITS**
- ANSI A4 Cut-resistance
 - Flame-resistant
 - Flexible
 - Seamless knit
 - Burn protection

FEATURES
Liner: **13-gauge seamless Kevlar®/modacrylic/fiberglass knit**
Coating: **Sponge neoprene palm**
Grip: **Smooth**

- APPLICATIONS**
- Automotive repairs & maintenance
 - Maintenance
 - HVAC
 - install electrical wiring

REF	SIZE
240	7/S
240	8/M
240	9/L
240	10/XL
240	11/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
230

Sponge nitrile palm
coating over HPPE
engineered fiber

- BENEFITS**
- ANSI A4 Cut-resistance
 - Machine washable
 - Seamless knit
 - Form-fitting
 - Abrasion-resistant
 - Oil grip

FEATURES
Liner: **10-gauge with HPPE reinforced**
Coating: **Foam nitrile**
Grip: **Sponge**

- APPLICATIONS**
- Automotive
 - Engineering
 - Glass
 - Mechanical

REF	SIZE
230	7/S
230	8/M
230	9/L
230	10/XL
230	11/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
234

Foam nitrile palm
coating over spandex/
engineered cut resistant
liner reinforced
with HPPE

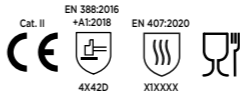
- BENEFITS**
- ANSI A4 Cut-resistance
 - Lightweight
 - Machine washable
 - Seamless knit
 - Abrasion-resistant

FEATURES
Liner: **15-gauge seamless knit spandex/engineered yarn with HPPE**
Coating: **Sponge nitrile**
Grip: **Sponge**
+FDA 21 CFR 177.2600

- APPLICATIONS**
- Food handling
 - Light assembly
 - HVAC
 - Component Assembly

REF	SIZE
234	6/S
234	7/M
234	8/L
234	9/XL
234	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
234X

Uncoated
spandex/engineered
cut resistant liner
reinforced with HPPE

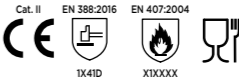
- BENEFITS**
- ANSI A4 Cut-resistance
 - Breathable
 - Increased dexterity
 - Machine washable
 - Seamless knit

FEATURES
Liner: **15-gauge seamless knit spandex/engineered yarn with HPPE**
Coating: **Uncoated**
+FDA 21 CFR 177.2600

- APPLICATIONS**
- Food packing and handling
 - Food Service/Food Prep
 - Poultry, meat & seafood processing

REF	SIZE
234X	6/S
234X	7/M
234X	8/L
234X	9/XL
234X	10/XXL

PACKAGING: 12 gloves per case.



A4

SHOWA®
430

Sponge nitrile palm
coating over seamless
engineered with glass
fiber and HPPE

- BENEFITS**
- ANSI A4 Cut-resistance
 - Machine washable
 - Seamless knit
 - Form-fitting
 - Oil grip

FEATURES
Liner: **10-gauge seamless knit**
Coating: **Sponge nitrile**
Grip: **Sponge**

- APPLICATIONS**
- Automotive
 - Glass
 - Carpentry
 - Demolition
 - HVAC
 - Roofing

REF	SIZE
430	7/S
430	8/M
430	9/L
430	10/XL
430	11/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.

CUT LEVEL A4



BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Breathable
- Lightweight
- Increased dexterity
- Seamless knit
- Form-fitting
- Abrasion-resistant
- Natural Rubber Latex-free

FEATURES

Liner: **18-gauge seamless knit HPPE**
Coating: **Polyurethane palm**
Grip: **Rough**

APPLICATIONS

- Handling heavy equipment
- Light assembly of oil-coated pieces
- Maintenance
- Mechanical and engineering
- Repair glass and windows
- Intricate parts handling
- Component Assembly

REF	SIZE
XC510	6/S
XC510	7/M
XC510	8/L
XC510	9/XL
XC510	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



CUT LEVEL A4



BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Breathable
- Lightweight
- Increased dexterity
- Seamless knit
- Form-fitting
- Touch panel compatible
- Natural Rubber Latex-free
- Silicone-free

FEATURES

Liner: **18-gauge seamless knit HPPE**
Coating: **Microporous Nitrile**
Grip: **Embossed S-shaped palm**

APPLICATIONS

- Handling heavy equipment
- Light assembly of oil-coated pieces
- Maintenance
- Mechanical and engineering
- Repair glass and windows
- Intricate parts handling
- Component Assembly

REF	SIZE
XC810	6/S
XC810	7/M
XC810	8/L
XC810	9/XL
XC810	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA® XC510

The new ultra-light XC510 combines 18-gauge HPPE, A4 cut-resistance with a durable, abrasive-resistant polyurethane palm.



SHOWA® XC810

The new XC810 combines an excellent grip, superb tactility, 18-gauge HPPE A4 cut-resistance and touchscreen compatibility for a multitude of industrial applications.



CUT LEVEL A4

CUT LEVEL A4



SHOWA®
4561

Sponge nitrile palm coating over engineered liner with Kevlar®

- BENEFITS**
- ANSI A4 Cut-resistance
 - Seamless knit
 - Form-fitting
 - Abrasion-resistant
 - Flame-resistant
 - Oil grip

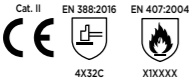
FEATURES

Liner: **15-gauge engineered liner made with Kevlar®**
Coating: **Foam nitrile**
Grip: **Sponge**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Bottling
 - Handling glass and windows
 - White goods
 - HVAC

REF	SIZE
4561	6/S
4561	7/M
4561	8/L
4561	9/XL
4561	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



Engineered to endure, SHOWA® 4561 combines DuPont™ Kevlar® cut-resistance with Zorb-IT® oil grip to deliver exceptional cut, abrasion and flame resistance, without sacrificing comfort or grip. Utilizing SHOWA's renowned ergonomic design, 4561 naturally contours to your hand for maximum precision and dexterity.



SHOWA®
4561X

Engineered liner with Kevlar®

- BENEFITS**
- ANSI A4 Cut-resistance
 - Seamless knit
 - Form-fitting
 - Lightweight
 - Machine washable
 - Great as a liner

FEATURES

Liner: **15-gauge engineered liner made with Kevlar®**
Coating: **Uncoated**
Grip: **Uncoated**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Bottling
 - Handling glass and windows
 - White goods
 - HVAC

REF	SIZE
4561X	6/S
4561X	7/M
4561X	8/L
4561X	9/XL
4561X	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
S4561

Seamless Kevlar® sleeve, light weight

- BENEFITS**
- ANSI A4 Cut-resistance
 - Seamless knit
 - Form-fitting
 - Flame-resistant
 - Breathable
 - Lightweight
 - Machine washable

FEATURES

Liner: **Engineered sleeve made with Kevlar® and moisture control lining**
Coating: **Uncoated**
Grip: **Uncoated**
Thumb loop

- APPLICATIONS**
- Metal stamping
 - Handling glass and windows
 - Bottling
 - HVAC

REF	LENGTH
S4561-16T	16" (406mm)
S4561-22T	22" (559mm)

T= Thumb Loop

PACKAGING: 2 sleeves per pack



SHOWA®
4568

Sponge nitrile palm coating over engineered liner with Kevlar®

- BENEFITS**
- ANSI A4 Cut-resistance
 - Seamless knit
 - Form-fitting
 - Abrasion-resistant
 - Flame-resistant
 - Oil grip

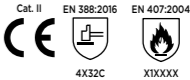
FEATURES

Liner: **15-gauge engineered liner made with Kevlar®**
Coating: **Foam nitrile**
Grip: **Sponge**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Bottling
 - Handling glass and windows
 - White goods
 - HVAC

REF	SIZE
4568	6/S
4568	7/M
4568	8/L
4568	9/XL
4568	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.





CUT

To secure the handling of tools or objects with sharp edges or slippery surfaces, we make gloves and protective sleeves that not only resist cuts, but are also comfortable to wear, ensuring compliancy as well as safety. Whichever cut level you are looking for; SHOWA® provides all from level A to F.

S-TEX®

COMFORT AND SAFETY GO HAND IN HAND

At SHOWA® we continuously work on improving the wearing experience. Ergonomic shape design, seamless knit liner, engineered fiber for flexibility and tactility are just some of the common features found in our gloves. By making our gloves as comfortable as possible without compromising on safety, we hope that our users will keep the gloves on at all times and stay safe in their workplace. This is particularly important in work that requires high cut protection, because accidents here can lead to serious injuries with grave consequences for both the user and the employer.

THE STORY OF HAGANE COIL®

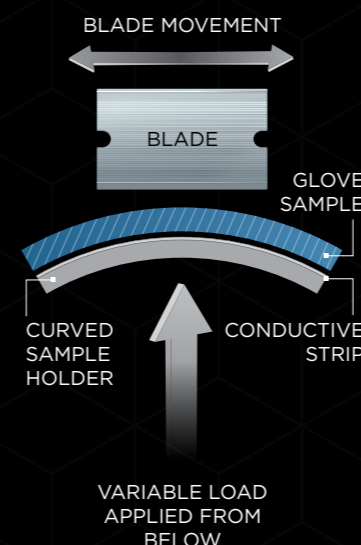
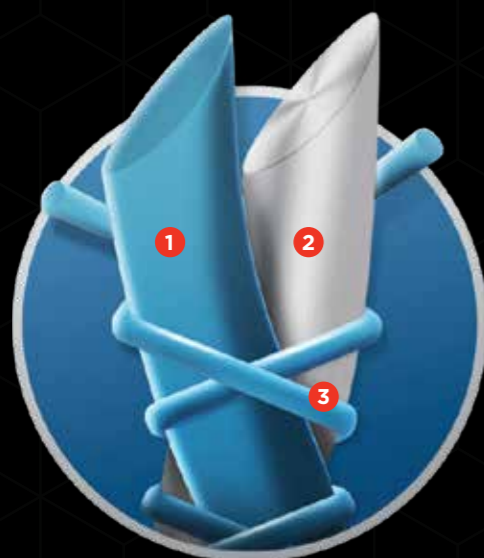
Our first notable liner for protection against mechanical risks was seamless knit nylon liner in glove B0500, launched back in 1988. Ensuring both comfort and protection was our aim from the get-go. Sturdy nylon combined with world's first polyurethane palm coating offers both dexterity and good abrasion resistance for general purpose use. Encouraged by this success, over time, SHOWA® integrated new fibers and fiber combinations specifically for achieving higher cut resistance. Since then our cut protection gloves have come a long way. High Performance Polyethylene (HPPE) fibers first featured in SHOWA® 541 offer good cut resistance. Liners with integrated fibers such as the Kevlar® liner in KV300 offer even better cut protection.

Development of new cut-resistant technology follows increasing demand for higher cut-resistant protection in work processes. While measuring the levels of cut resistance of different materials in the mesh of the glove, it became evident to our researchers that integration of stainless steel in liners could offer exceptional protection. The research led to development of the S-TEX® 303. The Hagane Coil® engineered liner was born.

STEEL PROTECTION

With Hagane Coil® technology we are able to provide high levels of cut resistance without sacrificing comfort. Hagane Coil® utilizes a unique coiling technique that binds an attending yarn to a stainless steel core. The integrated steel core provides better protection than any natural or synthetic fibers, yet it is thin enough to allow flexibility and free movement as the hand bends and flexes. By utilizing different composite yarns we can create a different wearing experience. Soft yarns and stainless steel combinations offer more comfort and dexterity, while hard yarns and stainless steel offer superior protection and durability. It is a combination that offers maximum protection, comfort and performance.

- 1 Polyester / nylon
- 2 Stainless steel
- 3 Attending yarn (depending on glove)



The revised EN 388: 2016 standard for protective equipment against mechanical risks includes the international test method ISO 13997. This test method is widely used in the textile industry in order to gain a better understanding of the levels of protection. A glove sample is tested against a blade at a variable load in a TDM (Tomo Dynamo Meter) machine. The cut resistance is expressed as the cutting force at breakthrough in newtons (N).

At SHOWA®, for gloves with high levels of protection we have already been using ISO 13997 as a compulsory test to show our customer a detailed and realistic view of the glove's cut protection performance.



S-TEX® SERIES p. 54-59

To provide better individual protection against cuts, SHOWA® has engineered several liners with Hagane Coil®. This has led to the forming of S-TEX® Series, a line that features the best cut resistant gloves that we have to offer.

	SHOWA® S-TEX® 303	Hagane Coil® / Natural rubber ISO 13 997: F (35 newtons) ANSI Cut Level A8
	SHOWA® S-TEX® 581	Hagane Coil® / Microporous foam Nitrile ISO 13 997: E (29 newtons) ANSI Cut Level A5
	SHOWA® S-TEX® 300	Hagane Coil® / Natural rubber ISO 13 997: D (20 newtons) ANSI Cut Level A4
	SHOWA® S-TEX® 377	Hagane Coil® / Foam nitrile over nitrile ISO 13 997: D ANSI Cut Level A4
	SHOWA® S-TEX® 376	Hagane Coil® / Foam nitrile over nitrile ISO 13 997: D (19 newtons) ANSI Cut Level A4
	SHOWA® S-TEX® 350	Hagane Coil® / Nitrile ISO 13 997: D (17.5 newtons) ANSI Cut Level A4
	SHOWA® S-TEX® 541	Hagane Coil® / Polyurethane ISO 13 997: D (18.7 newtons) ANSI Cut Level A4



CUT LEVEL A4



A4

SHOWA®
**S-TEX®
541**

Polyurethane palm coating
over Hagane Coil® liner
(stainless steel/polyester)

BENEFITS

- ANSI A4 Cut-resistance
- Form-fitting
- Seamless knit
- Abrasion-resistant
- Dry grip

FEATURES

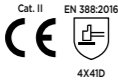
Liner: **13-gauge seamless knit stainless steel/polyester**
Coating: **Polyurethane**
Grip: **Rough**

APPLICATIONS

- Screw and nail setting
- Intricate parts handling
- Handling glass and windows
- Canning
- HVAC
- Construction

REF	SIZE
S-TEX 541	6/S
S-TEX 541	7/M
S-TEX 541	8/L
S-TEX 541	9/XL
S-TEX 541	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
**S-TEX®
300**

Natural rubber latex palm
coating over Hagane Coil® liner
(stainless steel/polyester)

BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Form-fitting
- Increased visibility
- Dry grip

FEATURES

Liner: **10-gauge seamless knit stainless steel/polyester**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Bottling
- Handling glass and windows
- Window manufacturing
- Canning
- HVAC

REF	SIZE
S-TEX 300	7/S
S-TEX 300	8/M
S-TEX 300	9/L
S-TEX 300	10/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
**S-TEX®
350**

Flat nitrile palm coating
over Hagane Coil® liner
(stainless steel/polyester)

BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Abrasion-resistant
- Increased visibility
- Seamless knit
- Dry grip

FEATURES

Liner: **10-gauge seamless knit stainless steel/polyester**
Coating: **Flat nitrile**
Grip: **Smooth**

APPLICATIONS

- Handling heavy equipment
- Automotive repairs and maintenance
- Assembly dry parts
- HVAC

REF	SIZE
S-TEX 350	7/S
S-TEX 350	8/M
S-TEX 350	9/L
S-TEX 350	10/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



CUT LEVEL A4



A4

SHOWA®
**S-TEX®
376**

Dual nitrile coating technology,
¾ nitrile dipped with extra
nitrile foam coating on palm
over Hagane Coil® liner
(stainless steel/polyester)

BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Breathable
- Seamless knit
- Oil-resistant
- Oil grip

FEATURES

Liner: **13-gauge seamless knit stainless steel/polyester**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Steel fabrication
- Steel fixing
- Handling glass and windows
- Canning
- Bottling

REF	SIZE
S-TEX 376	6/S
S-TEX 376	7/M
S-TEX 376	8/L
S-TEX 376	9/XL
S-TEX 376	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
**S-TEX®
377**

Double-dipped, fully coated
nitrile, with an extra nitrile
foam coating on palm over
Hagane Coil® liner (stainless
steel/polyester)

BENEFITS

- ANSI A4 Cut-resistance
- Abrasion-resistant
- Oil-resistant
- Water-resistant
- Seamless knit
- Oil grip

FEATURES

Liner: **13-gauge seamless knit stainless steel/polyester**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Steel fabrication
- Assembling dry and oily parts
- Handling glass and windows
- Canning
- HVAC

REF	SIZE
S-TEX 377	6/S
S-TEX 377	7/M
S-TEX 377	8/L
S-TEX 377	9/XL
S-TEX 377	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A4

SHOWA®
**S-TEX®
376SC**

Dual nitrile coating technology,
¾ nitrile dipped with extra
nitrile foam coating on palm
over Hagane Coil® liner
(stainless steel/polyester),
and PVC/polyester safety cuff

BENEFITS

- ANSI A4 Cut-resistance
- Flexible
- Breathable
- Seamless knit
- Forearm protection
- Easy donning and doffing

FEATURES

Liner: **13-gauge seamless knit stainless steel/polyester**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Drainage, piping
- Window manufacturing
- Waste handling
- Recycling

REF	SIZE	LENGTH
S-TEX 376SC	7/M	4" cuff (102mm)
S-TEX 376SC	8/L	4" cuff (102mm)
S-TEX 376SC	9/XL	4" cuff (102mm)
S-TEX 376SC	10/XXL	4" cuff (102mm)

PACKAGING: 6 pairs per polybag.
6 dozen per case.



A4

SHOWA®
**S-TEX®
377SC**

Double-dipped, fully coated
nitrile with extra nitrile
foam coating on palm over
Hagane Coil® liner (stainless
steel/polyester), and PVC/
polyester safety cuff

BENEFITS

- ANSI A4 Cut-resistance
- Abrasion-resistant
- Water-resistant
- Seamless knit
- Forearm protection
- Easy donning and doffing

FEATURES

Liner: **13-gauge seamless knit stainless steel/polyester**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

APPLICATIONS

- Drainage, piping
- Window manufacturing
- Waste handling
- Recycling

REF	SIZE	LENGTH
S-TEX 377SC	7/M	4" cuff (102mm)
S-TEX 377SC	8/L	4" cuff (102mm)
S-TEX 377SC	9/XL	4" cuff (102mm)
S-TEX 377SC	10/XXL	4" cuff (102mm)

PACKAGING: 6 pairs per polybag.
6 dozen per case.



CUT LEVEL A4



A4

SHOWA®
910

Engineered with stainless steel and HPPE liner

BENEFITS

- ANSI A4 Cut-resistance
- Abrasion-resistant
- Breathable
- Seamless knit
- Form-fitting

FEATURES

Liner: **10 gauge seamless HPPE knit**
Coating: **Uncoated**
Grip: **Uncoated**
+FDA 21 CFR 177.2600

APPLICATIONS

- Intricate parts handling
- Mechanical & engineering
- Handling heavy equipment
- Handling glass & windows
- Manufacturing
- HVAC

REF	SIZE
910	6/XS
910	7/S
910	8/M
910	9/L
910	10/XL

PACKAGING: 12 gloves per case



A4

SHOWA®
910C

Engineered with stainless steel and HPPE liner with PVC dots (front and back)

BENEFITS

- ANSI A4 Cut-resistance
- Extra Grip
- Abrasion-resistant
- Breathable
- Seamless knit
- Form-fitting

FEATURES

Liner: **10 gauge seamless HPPE knit**
Coating: **PVC dots**
Grip: **Dots**

APPLICATIONS

- Intricate parts handling
- Mechanical & engineering
- Handling heavy equipment
- Handling glass & windows
- Manufacturing
- HVAC

REF	SIZE
910C	6/XS
910C	7/S
910C	8/M
910C	9/L
910C	10/XL

PACKAGING: 12 gloves per case



A4

SHOWA®
S8115-10/T

Light weight 10" (254mm) sleeve made with HPPE engineered fiber

BENEFITS

- ANSI A4 Cut-resistance
- Elastic thumb loop
- Breathable
- Easy Movement
- Seamless knit
- Form-fitting

FEATURES

Liner: **15 gauge seamless HPPE knit**
Coating: **Uncoated**
Grip: **Uncoated Thumb loop**
+FDA 21 CFR 177.2600

APPLICATIONS

- Metal Stamping
- Food packing & handling
- Poultry, meat & seafood processing
- White goods

REF	REF	SIZE	LENGTH
S8115-10	S8115-10T	8/M	10" (254mm)
S8115-10	S8115-10T	9/L	10" (254mm)
S8115-10	S8115-10T	10/XL	10" (254mm)

PACKAGING: 2 sleeves per pack



A4

SHOWA®
S8115-16/T

Light weight 16" (406mm) sleeve made with HPPE engineered fiber

BENEFITS

- ANSI A4 Cut-resistance
- Elastic thumb loop
- Breathable
- Easy Movement
- Seamless knit
- Form-fitting

FEATURES

Liner: **15 gauge seamless HPPE knit**
Coating: **Uncoated**
Grip: **Uncoated Thumb loop**
+FDA 21 CFR 177.2600

APPLICATIONS

- Metal Stamping
- Food packing & handling
- Poultry, meat & seafood processing
- White goods

REF	REF	SIZE	LENGTH
S8115-16	S8115-16T	8/M	16" (406mm)
S8115-16	S8115-16T	9/L	16" (406mm)
S8115-16	S8115-16T	10/XL	16" (406mm)

PACKAGING: 2 sleeves per pack

CUT LEVEL A5



A5

DuPont™
Kevlar®

SHOWA®
S-TEX® 581

Microporous foamed nitrile palm coating over Hagane Coil® liner (stainless steel/polyester) reinforced with Kevlar®

BENEFITS

- ANSI A5 Cut-resistance
- Extra Grip
- Abrasion-resistant
- Breathable
- Easy Movement
- Seamless knit
- Form-fitting
- Touch screen compatible

FEATURES

Liner: **13-gauge seamless knit stainless steel/polyester with Kevlar®**
Coating: **Microporous foam nitrile**
Grip: **Embossed/S-shape**

APPLICATIONS

- Automotive repairs and maintenance
- Light assembly
- HVAC
- Screw and nail setting
- Handling glass and windows

REF	SIZE
S-TEX 581	6/S
S-TEX 581	7/M
S-TEX 581	8/L
S-TEX 581	9/XL
S-TEX 581	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A5

SHOWA®
3416

Full neoprene coating over engineered HPPE cut protective liner

BENEFITS

- ANSI A5 Cut-resistance
- Seamless knit
- Acid-resistant
- Flexible
- Extra Grip
- Forearm protection

FEATURES

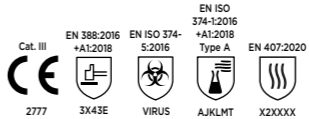
Liner: **13-gauge seamless knit HPPE**
Coating: **Neoprene**
Grip: **Rough**

APPLICATIONS

- Handling glass and windows
- Window manufacturing
- Drilling
- Deck crew

REF	SIZE	LENGTH
3416	8/S	14" (357mm)
3416	9/M	14" (357mm)
3416	10/L	14" (357mm)
3416	11/XL	14" (357mm)

PACKAGING: 12 pairs per polybag.
6 dozen per case.



A5

SHOWA®
8110

Medium weight made with HPPE engineered fiber

BENEFITS

- ANSI A5 Cut-resistance
- Machine washable
- Increased dexterity
- Breathable
- Great as liner

FEATURES

Liner: **10-gauge seamless knit HPPE**
Coating: **Uncoated**
+FDA 21 CFR 177.2600

APPLICATIONS

- Vegetable & fruit processing
- Food packing and handling
- Poultry, meat & seafood processing
- Bottling

REF	SIZE
8110	6/XS
8110	7/S
8110	8/M
8110	9/L
8110	10/XL
8110	11/XXL

PACKAGING: 12 gloves per case



CUT LEVEL A7



SHOWA®
8127
Light weight made with
HPPE engineered fiber

BENEFITS

- ANSI A7 Cut-resistance
- Machine washable
- Breathable
- Form-fitting

FEATURES

Liner: **7-gauge seamless knit HPPE**
Coating: **Uncoated**

APPLICATIONS

- Food packing and handling
- Poultry, meat & seafood processing
- Canning
- Bottling

REF	SIZE
8127	6/XS
8127	7/S
8127	8/M
8127	9/L
8127	10/XL

PACKAGING: 12 gloves per case



SHOWA®
257
Foam nitrile palm coating
over spandex liner reinforced
with stainless steel and
para-aramid

BENEFITS

- ANSI A7 Cut-resistance
- Machine washable
- Form-fitting
- Abrasion-resistant
- Touch screen compatible

FEATURES

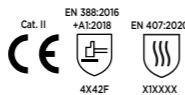
Liner: **13-gauge plated-knit,
spandex/para-aramid/stainless steel**
Coating: **Nitrile**
Grip: **Sponge**

APPLICATIONS

- Metal Stamping
- Handling glass and windows
- Plate glass production
- Window manufacturing

REF	SIZE
257	6/S
257	7/M
257	8/L
257	9/XL
257	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
257X
Spandex liner reinforced
with stainless steel and
para-aramid

BENEFITS

- ANSI A7 Cut-resistance
- Machine washable
- Abrasion-resistant
- Touch screen compatible
- Great as a liner

FEATURES

Liner: **13-gauge plated-knit,
spandex/para-aramid/stainless steel**
Coating: **Uncoated**

APPLICATIONS

- Mechanical and engineering
- Metal Stamping
- Plate glass production
- Window manufacturing

REF	SIZE
257X	6/S
257X	7/M
257X	8/L
257X	9/XL
257X	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



CUT LEVEL A8



SHOWA®
S-TEX® 303
Natural rubber palm coating
over Hagane Coil® liner
(stainless steel/polyester)
reinforced with Kevlar®

BENEFITS

- ANSI A8 Cut-resistance
- Extra Grip
- Abrasion-resistant
- Seamless knit
- Form-fitting
- Dry grip

FEATURES

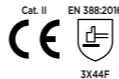
Liner: **Seamless knit stainless steel/
polyester with Kevlar®**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Metallurgy
- Stamping
- Glass & glazing
- Handling Rebar

REF	SIZE
S-TEX 303	7/S
S-TEX 303	8/M
S-TEX 303	9/L
S-TEX 303	10/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



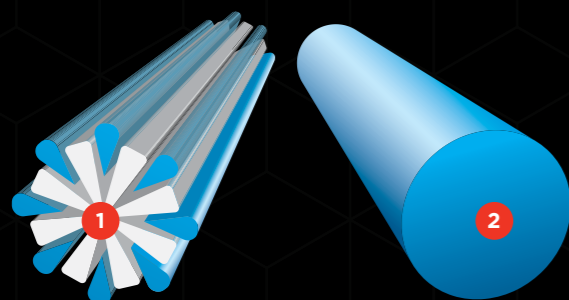


GENERAL PURPOSE

There are often many low-grade risks in the workplace that require a generalist protective approach, to protect the hand from common mechanical or chemical hazards while preserving mobility. We made our name by providing the very best in all-round, multi-purpose hand protection.

MICROFIBER TECHNOLOGY™

At SHOWA® we believe that comfort is as important as the protection, which is why we reduced the weight and improved the efficiency of our new model. In order to offer this premium combination, we engineered a microfiber fabric.



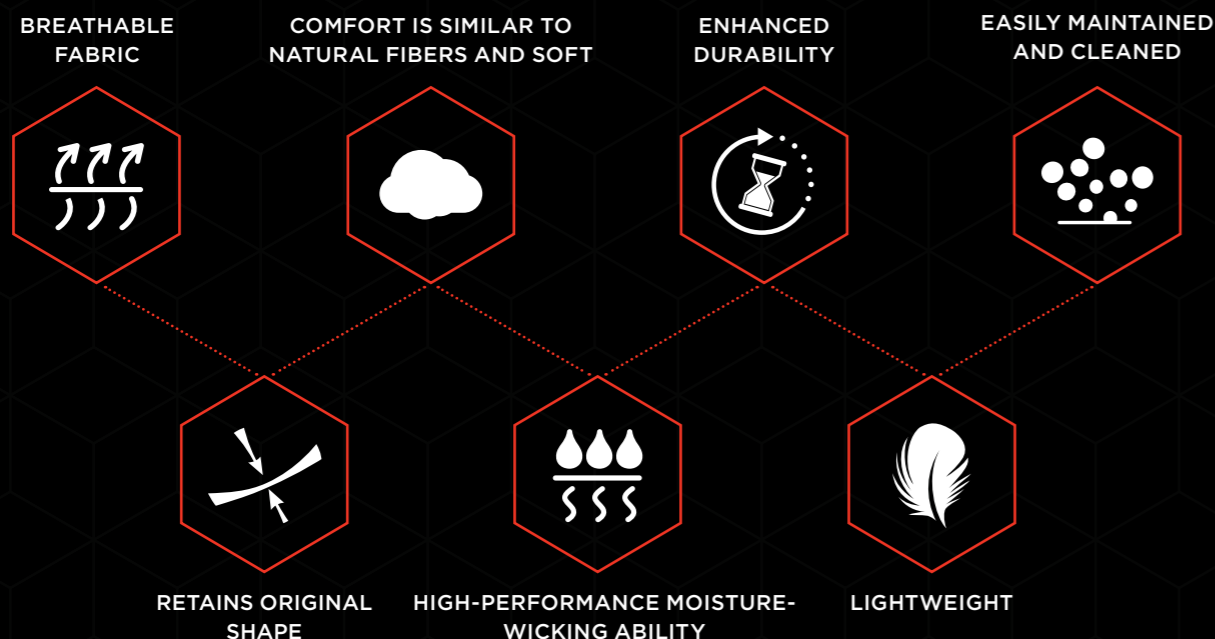
- 1 Microfiber
- 2 Cotton Fiber

WHAT IS MICROFIBER?

Microfiber is a synthetic fabric with very small fibers or threads. The diameter of microfiber is about 20 times smaller than human hair. The most common types of microfibers are made from polyesters, polyamides or a combination of polyester, polyamide and polypropylene.

Microfiber is used to make mats, knits and weaves for apparel, upholstery, industrial filters and cleaning products. The shape, size and combinations of synthetic fibers are selected for specific characteristics, including softness, toughness, absorption, water repellency, electrostatics and filtering.

MICROFIBER FACTS: HIGH PERFORMANCE AND LOW MAINTENANCE FABRICS



Microfiber fabric is widely used in the clothing industry because of its absorption property. Athletes often use microfiber clothing, such as cycling jerseys, to improve their performances during competitions, as it provides a high capacity to absorb sweat while avoiding irritation.



TAKE COMFORT AND PROTECTION TO THE NEXT LEVEL

Professionals need optimized grip and maximum comfort when performing tasks that require extended wear and durability while keeping hands dry and cool at the same time.

For workers who move between tasks from general handling to intricate assembly, requiring high abrasion performance, dexterity, finger sensitivity and comfort, SHOWA® 381 is the ideal multipurpose solution. It provides the lightest SHOWA® microporous nitrile coated glove supported by a microfiber liner with an abrasion resistance of level 4.

Only fibers smaller than 1 denier can be called microfibers. The 381 microfiber is 0.52 denier thick and the whole glove weighs only 19 grams.

Its comfort is further enhanced as breathability and moisture evaporation has increased by 20% compared to our standard offering.

HOW DOES IT WORK?

Firstly, the microporous nitrile coating on the 381 grants exceptional grip while allowing warm air and moisture from inside to escape, thus keeping your hands dry.

Secondly, the microfiber liner absorbs perspiration and moisture quickly. Due to the cohesive properties of water, the water molecules are pulled along the thin fibers of the microfiber material. The large surface area created by numerous fibers allows microfiber materials to hold over 6 times their weight in liquid. At the same time the larger surface area and heat from the hand trigger faster evaporation, where drying time is 20% shorter than our standard gloves.

This results in cooler and dryer hands.



NITRILE



SHOWA®
380

Microporous foam nitrile coating on palm over nylon liner

BENEFITS

- Seamless knit
- Breathable
- Increased dexterity
- Form-fitting
- Oil grip

FEATURES

Liner: **13-gauge seamless knit nylon**
Coating: **Microporous foam nitrile**
Grip: **Embossed/ brick pattern**

APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Light assembly
- Shuttering
- White goods

REF	SIZE
380	6/S
380	7/M
380	8/L
380	9/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
381

Microporous nitrile coating over engineered microfiber liner

BENEFITS

- Abrasion-resistant
- Increased dexterity
- Moisture wicking
- Increased sensitivity
- Natural rubber free
- Oil grip

FEATURES

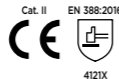
Liner: **13-gauge seamless knit engineered Microfiber**
Coating: **Microporous foam nitrile**
Grip: **Embossed/S-shape**

APPLICATIONS

- Intricate parts handling
- Light assembly
- Mechanical and engineering
- Automotive repairs and maintenance
- Component Assembly
- Tool Operation
- Transporting

REF	SIZE
381	6/S
381	7/M
381	8/L
381	9/XL
381	10/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
382

Microporous foam nitrile coating over engineered microfiber liner, Silicone free

BENEFITS

- Silicone free
- Moisture wicking
- Natural rubber free
- Abrasion-resistant
- Lightweight
- Oil grip

FEATURES

Liner: **13-gauge seamless knit engineered Microfiber**
Coating: **Microporous foam nitrile**
Grip: **Embossed/S-shape**

APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Light assembly
- Mechanical and engineering
- Paint room

REF	SIZE
382	6/S
382	7/M
382	8/L
382	9/XL
382	10/XXL

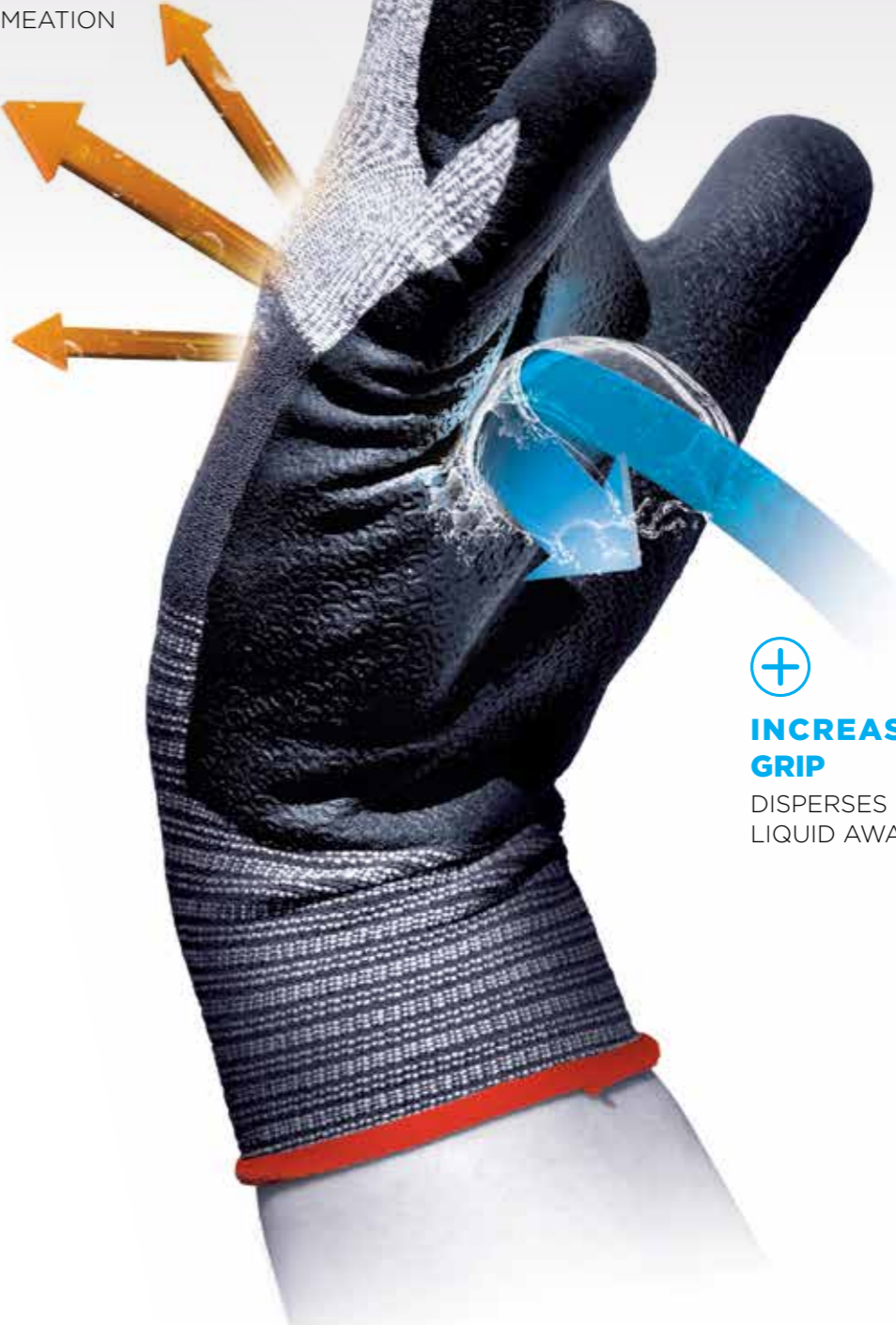
PACKAGING: Individually packaged
12 pairs per polybag.
12 dozen per case.



NITRILE



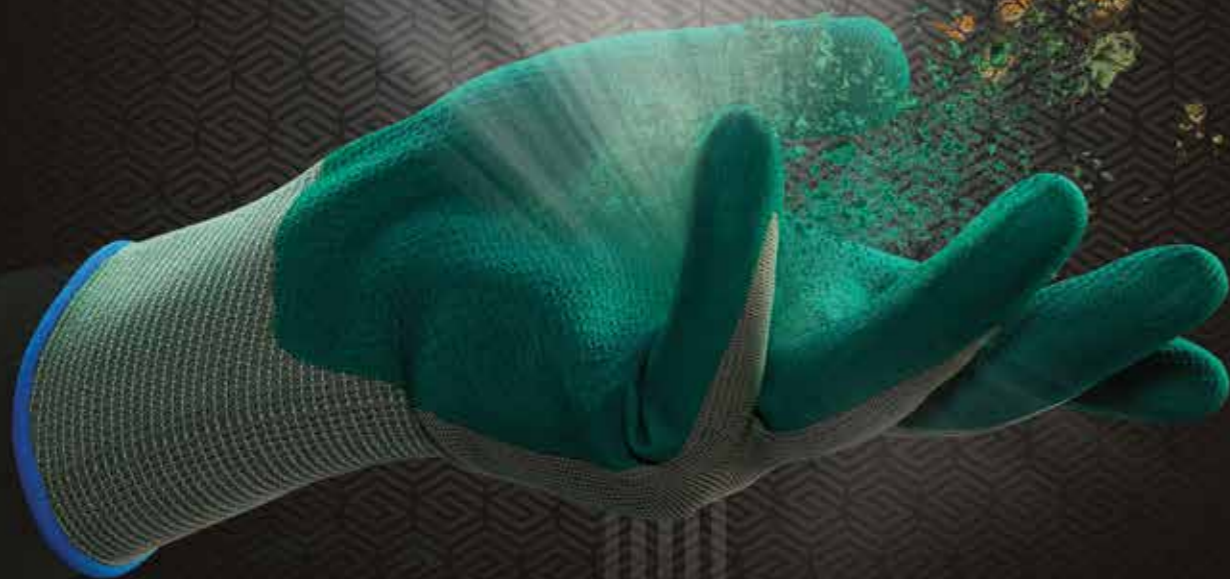
ENHANCED BREATHABILITY +
BOOST VAPOR PERMEATION



INCREASED GRIP +
DISPERSES LIQUID AWAY

SHOWA 383

BIODEGRADABLE
MULTI-PURPOSE PROTECTION
MADE WITH
ECO BEST TECHNOLOGY®



NATURALLY THE BEST, JUST GOT GREENER.



MECHANICAL



AUTOMOTIVE



CONSTRUCTION



GARDENING

PROTECTION. PERFORMANCE. PLANET.

The world's first sustainable general-purpose glove preserves the planet without compromising on performance or protection. Featuring our revolutionary Eco Best Technology®, the SHOWA® 383 takes 1-5 years to biodegrade in an active landfill, compared to more than 100 years for other, non-sustainable options.

The 383 is your earth-friendly choice in protection and preservation.



SHOWAgroup.com



NITRILE



EBT™



ASTM ASTM
D5526 D5511

SHOWA®

383

Microporous biodegradable nitrile engineered with 13-gauge seamless knit liner

BENEFITS

- Wet & Oil grip
- Eco Best Technology®
- Natural rubber latex free
- Superior tactile sensitivity
- Abrasion-resistant

FEATURES

Liner: **13-gauge seamless knit biodegradable polyester**
Coating: **Microporous nitrile**
Grip: **Embossed grip**

APPLICATIONS

- Automotive repairs
- Intricate parts handling
- Light assembly
- Warehousing & distribution
- Oily metals

REF

SIZE

383	6/S
383	7/M
383	8/L
383	9/XL
383	10/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



NITRILE



SHOWA®
4500

Flat dipped Nitrile on seamless nylon liner

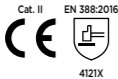
- BENEFITS**
- Breathable
 - Good dry grip
 - Abrasion resistant
 - Machine washable

FEATURES
Liner: **13-gauge seamless knit nylon**
Coating: **Flat nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Mechanical and engineering
 - Intricate parts handling
 - Component assembly
 - Warehousing

REF	SIZE
4500	6/XS
4500	7/S
4500	8/M
4500	9/L
4500	10/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA® ATLAS®
350

Flat nitrile palm coating over polyester/cotton liner

- BENEFITS**
- Flexible
 - Extra Grip
 - Seamless knit
 - Lightweight
 - Dry grip

FEATURES
Liner: **10-gauge seamless knit Polyester/Cotton**
Coating: **Flat nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Handling plants and vegetables
 - Automotive repairs and maintenance
 - Maintenance
 - Handling heavy equipment
 - Light assembly

REF	SIZE
350	7/S
350	8/M
350	9/L
350	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
370B(Black)

Flat nitrile palm coating over black nylon liner

- BENEFITS**
- Flexible
 - Form-fitting
 - Seamless knit
 - Machine washable
 - Dry grip

FEATURES
Liner: **Seamless knit nylon**
Coating: **Flat nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Maintenance
 - Intricate parts handling
 - Light assembly
 - Component Assembly
 - Shipping/Receiving

REF	SIZE
370B	6/S
370B	7/M
370B	8/L
370B	9/XL
370B	10/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
370W(White)

Flat nitrile palm coating over white nylon liner

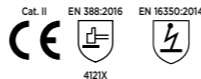
- BENEFITS**
- Flexible
 - Form-fitting
 - Seamless knit
 - Machine washable
 - Dry grip

FEATURES
Liner: **Seamless knit nylon**
Coating: **Flat nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Handling plants and vegetables
 - Automotive repairs and maintenance
 - Light assembly
 - Harvesting
 - Quality control

REF	SIZE
370W	6/S
370W	7/M
370W	8/L
370W	9/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



NITRILE



SHOWA®
376

3/4 dipped nitrile with extra foam nitrile coating on palm over polyester/nylon liner

- BENEFITS**
- Seamless knit
 - Extra Grip
 - Breathable
 - Water-resistant
 - Oil grip

FEATURES
Liner: **13-gauge seamless knit Polyester/Nylon**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

- APPLICATIONS**
- Mechanical and engineering
 - Automotive repairs and maintenance
 - Light assembly

REF	SIZE
376	6/S
376	7/M
376	8/L
376	9/XL
376	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
377

Fully dipped nitrile with extra nitrile foam coating on palm over polyester/nylon liner

- BENEFITS**
- Flexible
 - Form-fitting
 - Seamless knit
 - Water-resistant
 - Oil gri

FEATURES
Liner: **13-gauge seamless knit Polyester/Nylon**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Maintenance
 - Concreting
 - Mortar
 - Light assembly

REF	SIZE
377	6/S
377	7/M
377	8/L
377	9/XL
377	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
377IP

Fully dipped nitrile with extra nitrile foam coating over polyester/nylon liner reinforced with engineered anti-impact protection

- BENEFITS**
- Impact-resistant
 - Latex-free
 - Abrasion-resistant
 - Seamless knit
 - Durable

FEATURES
Liner: **13-gauge seamless knit Polyester/Nylon**
Coating: **Nitrile /Nitrile foam**
Grip: **Foam**

- APPLICATIONS**
- Handling heavy equipment
 - Signalers
 - Demolition
 - Mounting and dismantling
 - Drilling
 - Deck crew

REF	SIZE
377-IP	7/M
377-IP	8/L
377-IP	9/XL
377-IP	10/XXL

PACKAGING: 6 pairs per polybag.
6 dozen per case.



NITRILE

NITRILE



SHOWA®
4000/P

Fully coated or palm coated nitrile on cotton interlock liner

- BENEFITS**
- Flexible
 - Increased sensitivity
 - Abrasion-resistant
 - Soft liner

FEATURES
Liner: **Cotton**
Coating: **Nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Dry parts assembly
 - Light assembly
 - General labor

REF	SIZE
4000	8/S
4000	9/M
4000	10/L
4000P	8/S
4000P	9/M
4000P	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
7000P

3/4 nitrile coating over cotton jersey liner with knit wrist

- BENEFITS**
- Flexible
 - Abrasion-resistant
 - Soft liner
 - Increased visibility

FEATURES
Liner: **Cotton Jersey**
Coating: **3/4 Nitrile**
Grip: **Smooth**

- APPLICATIONS**
- Automotive repairs and maintenance
 - Dry parts assembly
 - Light assembly
 - General labor

REF	SIZE
7000P	8/S
7000P	9/M
7000P	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
7000/R

Full nitrile coating over cotton jersey liner with knit wrist

- BENEFITS**
- Abrasion-resistant
 - Oil-resistant
 - Water-resistant
 - Robust grip

FEATURES
Liner: **Cotton Jersey**
Coating: **Nitrile**
Grip: **7000 - Smooth**
7000R - Rough

- APPLICATIONS**
- Handling heavy equipment
 - Mounting and dismantling
 - Washing and cleaning
 - Public utility

REF	SIZE
7000	8/S
7000	9/M
7000	10/L
7000R	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
7066/R

3/4 nitrile coating over cotton jersey liner with reinforced safety cuff

- BENEFITS**
- Abrasion-resistant
 - Flexible
 - Oil-resistant
 - Robust grip

FEATURES
Liner: **Cotton Jersey**
Coating: **Nitrile**
Grip: **7066 - Smooth**
7066R - Rough

- APPLICATIONS**
- Cutting roses and thorns
 - Drainage, piping
 - Guttering and drain pipe
 - Water/Sewage treatment

REF	SIZE
7066	8/S
7066	9/M
7066	10/L
7066R	8/S
7066R	9/M
7066R	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
7166/R

Nitrile coating over cotton jersey liner with reinforced safety cuff

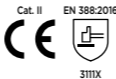
- BENEFITS**
- Abrasion-resistant
 - Flexible
 - Robust grip

FEATURES
Liner: **Cotton Jersey**
Coating: **Nitrile**
Grip: **7166 - Smooth**
7166R - Rough

- APPLICATIONS**
- Cutting roses and thorns
 - Drainage, piping
 - Guttering and drain pipe
 - Water/Sewage treatment

REF	SIZE
7166	9/M
7166	10/L
7166R	9/M
7166R	10/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



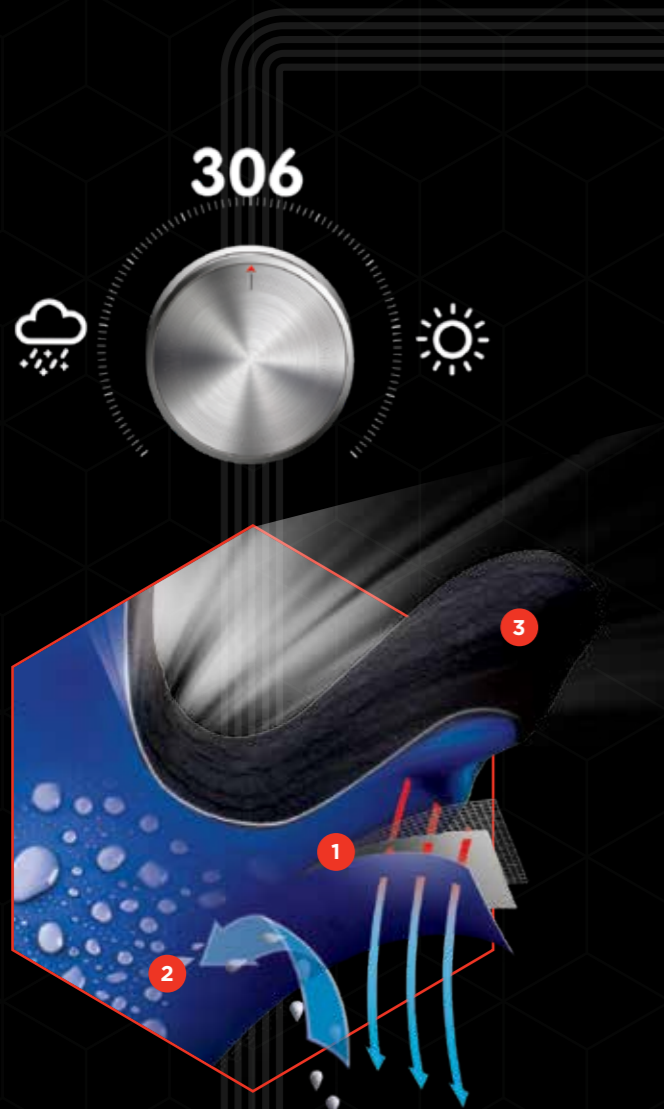
BREATHEX FOAM TECHNOLOGY™

THE ULTIMATE OUTDOOR COMPANION

At SHOWA® we believe that innovation makes sense when it actually contributes to something useful. Research shows the majority of workers use natural rubber palm coated gloves for construction, logistics and general handling – outdoor work environments where they are exposed to changeable weather conditions all year round.

During dry and hot temperatures, wearing gloves causes hand to sweat and creates perspiration inside the glove. In cold and wet seasons, users wear fully coated gloves to keep hands clean, dry and warm. This means changing gloves depending on climate and outdoor conditions. For the same task, users may need 2 different types of gloves, resulting double purchase and/or the wrong glove for each season.

**SO WE SAID: DRY, WET, WARM, COLD...
WHY DO WE ALWAYS HAVE TO CHOOSE?**



WHAT IS BREATHEX FOAM TECHNOLOGY™?

Based on these findings, **SHOWA designed the ultimate outdoor companion SHOWA® 306 using BREATHEX FOAM TECHNOLOGY™ – a revolutionary dual natural rubber coating technology that allows the glove to be both BREATHABLE and LIQUID RESISTANT.**

The combination of full foam natural rubber doubled with natural rubber coating on the palm is the only alternative solution for workers to be protected with one glove.

SHOWA® 306 provides premium grip and dexterity with breathability in dry or wet environments, whatever the outdoor conditions are.

HOW DOES IT WORK?

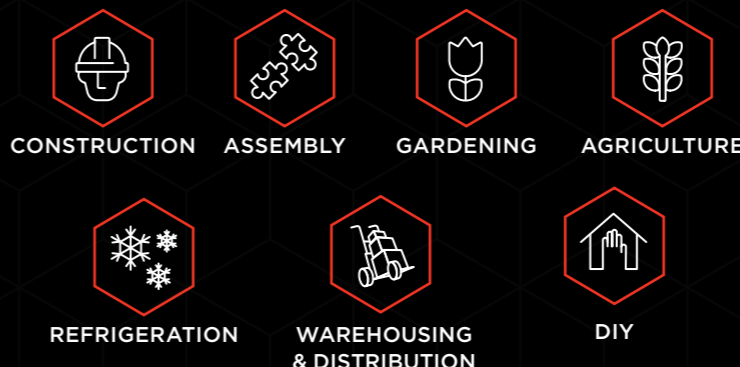
- 1 Aerated natural rubber foam covers 13 gauge liner to allow warm air to escape, so your hands can breath and perspiration is reduced
- 2 Full foam natural rubber coating is impermeable, protecting from liquid penetrating the glove and therefore keeping your hands dry
- 3 Extra natural rubber coating on palm and fingers provides excellent grip and dexterity.

THE ULTIMATE WINTER COMPANION

After the success of SHOWA® 306, we took all the great features of this glove and built upon them to create SHOWA 406. The new 406 has an added inner liner that is loop knitted, offering additional thermal insulation down to -22°F (-30°C) and a soft texture to the skin. For general handling in cold environment that requires abrasion, liquid, cold and wind resistance, SHOWA® 406 is your ultimate WINTER companion.



RECOMMENDED APPLICATIONS



HOW DOES IT WORK?

ONE SOLUTION FOR ALL PURPOSES, WHATEVER THE OUTDOOR CONDITIONS ARE:

- 1 Aerated natural rubber foam for breathability and reduced perspiration
- 2 Impermeability protects against liquid penetration
- 3 Natural rubber coating offers high level of grip and abrasion
- 4 Soft comfort and premium fit thanks to SHOWA's hand shape technology
- 5 High level of flexibility due to engineered coating
- 6 Ergonomic design that replicates the natural curvature of human hand, thereby reducing hand fatigue.

ADDITIONAL BENEFITS 406

- Water-repellent surface combined with thermal insulated liner keep hands warm and dry, enhancing more productive long work periods
- Aerated material reduces cold conduction and eliminates convection by keeping warm air inside
- Orange color of 406 enhances safety in low light conditions and prevents loss

SHOWA® 306 (P.73) GENERAL PURPOSE

- Ergonomic
- Aerated natural rubber foam coating
- Dual natural rubber coating



SHOWA® 406 (P.86) COLD PROTECTION

- Fluorescent
- Insulated
- Rough grip



NATURAL RUBBER LATEX

NATURAL RUBBER LATEX



SHOWA® ATLAS®
300

Natural rubber latex
palm coating over
polyester/cotton liner

BENEFITS

- Extra Grip
- Form-fitting
- Increased dexterity
- Dry grip
- Puncture resistant
- Seamless knit

FEATURES

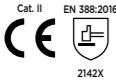
Liner: **10-gauge seamless knit polyester/cotton**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Logistics
- Automotive
- Mechanical
- Landscaping

REF	SIZE
300	7/S
300	8/M
300	9/L
300	10/XL
300	11/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
305

3/4 Natural rubber latex
coating over
polyester/cotton liner

BENEFITS

- Extra Grip
- Form-fitting
- Increased dexterity
- Puncture resistant
- Water-resistant
- Seamless knit

FEATURES

Liner: **10-gauge seamless knit polyester/cotton**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Construction
- Laboring
- Public sector
- Gardening

REF	SIZE
305	7/S
305	8/M
305	9/L
305	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
310G (Green)

Natural rubber latex
palm coating over
polyester/cotton liner

BENEFITS

- Extra Grip
- Form-fitting
- Increased dexterity
- Dry grip
- Seamless knit

FEATURES

Liner: **10-gauge seamless knit polyester/cotton**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Construction
- Laboring
- Public sector
- Gardening

REF	SIZE
310G	6/XS
310G	7/S
310G	8/M
310G	9/L
310G	10/XL
310G	11/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
306

Full foam natural rubber
latex coating doubled
with natural rubber latex
on palm over
nylon/polyester liner

BENEFITS

- Form-fitting
- Flexible
- Increased dexterity
- Breathable
- Water-resistant
- Extra Grip
- Seamless knit

FEATURES

Liner: **13-gauge seamless knit nylon/polyester**
Coating: **Foamed, Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Handling heavy equipment
- Guttering and drain pipe
- Insulation
- Plumbing
- Pool /Pond Maintenance

REF	SIZE
306	6/S
306	7/M
306	8/L
306	9/XL
306	10/XXL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
317

Natural rubber latex
palm coating over
polyester liner

BENEFITS

- Seamless knit
- Form-fitting
- Extra Grip
- Breathable
- Increased visibility
- Dry grip
- Puncture resistant

FEATURES

Liner: **10-gauge seamless knit polyester**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Handling heavy equipment
- Slingers & signallers
- Shipping/Receiving

REF	SIZE
317	7/S
317	8/M
317	9/L
317	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
330

Natural rubber latex
palm coating over
polyester/cotton liner
with reinforced coating
at thumb crotch

BENEFITS

- Abrasion-resistant
- Extra Grip
- Breathable
- Seamless knit
- Skin-friendly
- Dry grip
- Puncture resistant

FEATURES

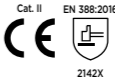
Liner: **10-gauge seamless knit polyester/cotton**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Plastics Injection & Moulding
- Scaffolding installation
- Shipping/Receiving

REF	SIZE
330	7/S
330	8/M
330	9/L
330	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA® ATLAS®
341

Natural rubber latex
palm coating over
lightweight
nylon/polyester liner

BENEFITS

- Extra Grip
- Seamless knit
- Increased dexterity
- Breathable
- Flexible
- Form-fitting
- Dry grip

FEATURES

Liner: **13-gauge seamless knit nylon/polyester**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Guttering and drain pipe
- Install electrical wiring
- Insulation
- Shipping/Receiving

REF	SIZE
341	6/S
341	7/M
341	8/L
341	9/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



NATURAL RUBBER LATEX

NATURAL RUBBER LATEX



The industry's first wrinkle-finished, heavy-duty, natural rubber latex-coated glove. This family of gloves provide the perfect combination of tactical grip and superior efficacy, making them a must-have for every worker's toolbox. Available in a variety of styles, lengths and finishes for a wide range of jobs.



SHOWA®
67NFW

Full coating, 14" (357mm) gauntlet

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	Yellow

PACKAGING: 3 dozen pair per case.

REF	SIZE
67NFW	9/M
67NFW	10/L
67NFW	11/XL

APPLICATIONS

- Handling heavy equipment
- Deck crew
- Water/Sewage treatment
- Plumbing
- Guttering and drain pipe
- Digging

SHOWA®
65NFW

Full coating, 12" (305mm) gauntlet

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	Yellow

PACKAGING: 3 dozen pair per case.

REF	SIZE
65NFW	9/M
65NFW	10/L
65NFW	11/XL

SHOWA®
65NFW-20

Full coating, 12" (305mm) gauntlet, 20" (508mm) laminated nitrile sleeve

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	Yellow

PACKAGING: 12 pair per case.

REF	SIZE
65NFW-20	10/L

SHOWA®
99NF

Palm coating, reinforced gauntlet, smooth grip

COATING	GRIP
Natural Rubber Latex	Smooth
LINER	COLOR
Cotton	White/yellow palm

PACKAGING: 3 dozen pair per case.

REF	SIZE
99NF	10/L

APPLICATIONS

- Pool /Pond Maintenance
- Harvesting
- Cutting roses and thorns
- Component assembly
- Quality control
- Wood cutting

SHOWA®
99NFW

Palm coating, 4" (102mm) safety cuff

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	White/yellow palm

PACKAGING: 6 dozen pair per case.

REF	SIZE
99NFW	10/L

SHOWA®
66NF

Palm coating, safety cuff

COATING	GRIP
Natural Rubber Latex	Smooth
LINER	COLOR
Cotton	White/yellow palm

PACKAGING: 6 dozen pair per case.

REF	SIZE
66NF	10/L

APPLICATIONS

- Light chemical handling in Horticulture, Agriculture
- Planting & repotting
- Cutting roses and thorns
- Wood cutting
- Washing and cleaning
- Public Utility

SHOWA®
66NFW/L66NFW*

Palm coating, safety cuff

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	White/yellow palm

PACKAGING: 6 dozen pair per case.

REF	SIZE
66NFW	8/S
66NFW	10/L

SHOWA®
2912

Palm coating, 4" (102mm) safety cuff

COATING	GRIP
Natural Rubber Latex	Rough
LINER	COLOR
Cotton	White/yellow palm

PACKAGING: 12 pair per case.

REF	SIZE
2912	10/L

PVC

POLYURETHANE



SHOWA®
960

Breathable PVC coating over seamless cotton liner

- BENEFITS**
- Breathable
 - Seamless knit
 - Leather alternative
 - Great with adhesives
 - Easy donning and doffing

FEATURES
Liner: **Cotton**
Coating: **Full PVC**
Grip: **Rough**

- APPLICATIONS**
- Harvesting
 - Wood cutting
 - Window & door manufacturing

REF	SIZE
960	8/S
960	9/M
960	10/L
960	11/XL

PACKAGING: 12 pairs per polybag. 6 dozen per case.



SHOWA®
961

Breathable PVC coating over seamless cotton liner with elasticated wrist cuff

- BENEFITS**
- Breathable
 - Seamless knit
 - Leather alternative
 - Great with adhesives

FEATURES
Liner: **Cotton**
Coating: **PVC**
Grip: **Rough**

- APPLICATIONS**
- Harvesting
 - Wood cutting
 - Window & door manufacturing

REF	SIZE
961	8/S
961	9/M
961	10/L

PACKAGING: 12 pairs per polybag. 6 dozen per case.



SHOWA®
962

Breathable PVC coating over soft jersey liner for easy donning and doffing

- BENEFITS**
- Breathable
 - Easy donning and doffing
 - Great with adhesives
 - Soft liner

FEATURES
Liner: **Cotton Jersey**
Coating: **PVC**
Grip: **Rough**

- APPLICATIONS**
- Harvesting
 - Wood cutting
 - Window & door manufacturing

REF	SIZE
962	8/S
962	9/M
962	10/L
962	11/XL

PACKAGING: 12 pairs per polybag. 6 dozen per case.



SHOWA®
600

Full PVC coating, extra PVC coating on the entire hand over cotton liner

- BENEFITS**
- Flexible
 - Soft liner
 - Water-resistant
 - Robust grip
 - Seamless knit

FEATURES
Liner: **Seamless knit cotton**
Coating: **Full PVC**
Grip: **Rough**

- APPLICATIONS**
- Handling plants and vegetables
 - Washing and cleaning
 - Planting & repotting
 - Harvesting

REF	SIZE
600	7/S
600	8/M
600	9/L
600	10/XL

PACKAGING: 12 pairs per polybag. 6 dozen per case.



SHOWA®
**TEMRES®
281**

Fully breathable micro-ventilated polyurethane coating with micro-roughened nitrile finish on fingertips over nylon liner

- BENEFITS**
- Breathable
 - Water-resistant
 - Extra Grip
 - Skin-friendly
 - Increased dexterity

FEATURES
Liner: **Nylon**
Coating: **Breathable PU/nitrile**
Grip: **Rough**

- APPLICATIONS**
- Handling plants and vegetables
 - Maintenance
 - Intricate parts handling
 - Tile setting

REF	SIZE	LENGTH
281	7/S	10.8" (274mm)
281	8/M	10.8" (274mm)
281	9/L	10.8" (274mm)
281	10/XL	10.8" (274mm)
281	11/XXL	10.8" (274mm)

INDIVIDUALLY PACKAGED:
10 pairs per polybag.
5 dozen per case.



POLYURETHANE



SHOWA®
B0500W(White) B0500B(Black)

Polyurethane palm coating over white nylon liner

Polyurethane palm coating over black nylon liner

BENEFITS

- Breathable
- Lightweight
- Increased sensitivity
- Natural rubber free

BENEFITS

- Breathable
- Lightweight
- Increased sensitivity
- Natural rubber free

FEATURES

Liner: **13-gauge seamless knit nylon**
Coating: **Polyurethane**
Grip: **Rough**

FEATURES

Liner: **13-gauge seamless knit nylon**
Coating: **Polyurethane**
Grip: **Rough**

APPLICATIONS

- Intricate parts handling
- Mechanical and engineering
- Integrated circuits
- Component Assembly

APPLICATIONS

- Intricate parts handling
- Mechanical and engineering
- Component Assembly
- HVAC

REF	SIZE
B0500W	6/S
B0500W	7/M
B0500W	8/L
B0500W	9/XL
B0500W	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.

REF	SIZE
B0500B	6/S
B0500B	7/M
B0500B	8/L
B0500B	9/XL
B0500B	10/XXL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



Designed for precision and cleanliness, the B0500B general purpose glove features a snug-fit to maximize sensitivity and control.



POLYURETHANE



SHOWA®
B0600

Polyurethane fingertips coating over white nylon liner

BENEFITS

- Breathable
- Lightweight
- Natural rubber free
- Fingertip protection

FEATURES

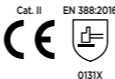
Liner: **13-gauge seamless knit nylon**
Coating: **Polyurethane**
Grip: **Rough fingertips**

APPLICATIONS

- Mechanical and engineering
- Intricate parts handling
- Integrated circuits
- Semiconductors

REF	SIZE
B0600	6/S
B0600	7/M
B0600	8/L
B0600	9/XL

PACKAGING: 12 pairs per polybag.
6 dozen per case.



SHOWA®
A0622

Polyurethane palm coating over seamless nylon liner

BENEFITS

- Breathable
- Lightweight
- Natural rubber free
- Fingertip protection

FEATURES

Liner: **13-gauge conductive yarn**
Coating: **Polyurethane foam**
Grip: **Rough fingertips**

APPLICATIONS

- Mechanical and engineering
- Intricate parts handling
- Integrated circuits
- Semiconductors

REF	SIZE
A0622	6/S
A0622	7/M
A0622	8/L

PACKAGING: 12 pairs per polybag.
6 dozen per case.



HAND PROTECTION IN THE CONSTRUCTION INDUSTRY

FACTS AND FIGURES

Even though official figures show there has been a drop in workplace accidents in the building trade, they are still more frequent than in other industries. Most injuries within the construction environment involve the hands and/or arms, and serious accidents or fatalities have a deep social and economic impact on everyone involved: the company, the employer and the employee. It is vital to prevent these from happening in the first place.

PROTECT

ON TOP OF THESE FACTS AND FIGURES, LET'S NOT FORGET THERE MAY BE OTHER DIRECT AND INDIRECT COSTS THAT ARE OFTEN UNDERESTIMATED, OR EVEN UNKNOWN.

LABOR COSTS

- Working time lost by the victim and other employees
- Medical visits after the accident and first aid
- Replacing the employee, including recruitment and training

COSTS OF MATERIAL LOSSES

- Damage caused to equipment, tools and work in progress
- The use of first aid medication supplies
- Administrative costs
- The time required for enquiries into the causes of the accident

PRODUCTION COSTS

- Time off work and loss of earnings
- Drops in productivity

COMMERCIAL COSTS

- Delays in delivery with possible late delivery fines
- Downturns in the quality of work
- Deterioration of the company's image
- Increases in insurance premiums

OTHER MISCELLANEOUS COSTS

- Fixed costs that are incurred even when there is a stoppage in work
- Transport for the victim
- Any possible legal action
- Punitive costs in the event of legal infringements
- Cost of expertise



BREAKDOWN OF OCCUPATIONAL ACCIDENTS LEADING TO PERMANENT DISABILITY ACCORDING TO THE AREA OF INJURY
(France data)

A COMPLETE OPTIMIZED RANGE

With the multitude of different public sector and building jobs in mind, SHOWA® now offers a range of gloves created entirely around the different applications and needs around each trade of the construction industry. To make it easier to choose the correct glove for the type of application, we have identified a range of trade-specific gloves grouped into 5 main categories of no more than 15 models. This ensures the number of reference materials is optimized and purchase costs are reduced to a minimum, with gloves that meet the specific needs of each different type of work. Grouped by work type, they consider three key factors: work environment, the different hand movements to be performed and the types of protection required.





PUBLIC WORK

Driving machines	•	•										•	•	
Maintenance		•			•							•		•
Slings/signaler						•						•		
Demolition		•				•						•		•



FOUNDATIONS
/STRUCTURE

Steel fixing								•	•	•				
Concreting					•		•	•			•			•
Steel erector								•	•	•				
Shuttering	•	•									•			•
Pouring concrete					•		•	•			•			•
Mechanical and engineering	•		•					•	•	•				



SCAFFOLDER

Scaffolding installation			•											•
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MASON

Laying brick		•	•			•								
Cementing					•		•	•			•			
Mortar					•		•	•			•			•



ROOFER &
CARPENTER

Guttering and drain pipe		•		•							•			•
Roofing application membranes		•		•							•			
Insulation	•	•		•							•			
Flashings and seals		•		•							•			
Interior finishing & repairs		•		•				•		•	•			
Wood joinery		•		•							•			



GLASS AND
GLAZING

Fixing glass and windows									•	•	•			
Handling glass and windows									•	•	•			



PLUMBER -
HEATER

Plumbing	•			•							•	•	•	
Drainage, piping				•							•	•	•	•
Heating, ventilation	•							•		•	•			



ELECTRICIAN

Installing electrical wiring/components				•					•		•			
Using test equipment				•					•		•			
Installing trunking				•					•		•			



TILER

Setting tile											•			
Grouting/cleaning off											•			



PAINTER &
DECORATOR
/PLASTERER

Painting						•		•			•	•	•	
Washing/cleaning											•	•	•	
Sanding					•						•	•	•	
Setting screw and nail	•			•					•		•			
Skirting placement	•			•					•		•			
Coating preparation	•										•	•	•	
Plastering					•									
Decoration				•								•	•	

GENERAL HANDLING						CHEMICAL		CUT PROTECTION			INSULATION	SPECIFIC		
381	306	ATLAS® 330	ATLAS® 341	377	ATLAS® 317	660	CS720	DURACoil® 546	S-TEX® 376	S-TEX® 581	477	6112PF	281	377IP



INSULATED

When working in extreme environments, find the right protection for you whether it is cold protection against blisters, slipping and undercooling. Or prevent burns to the hand and irreparable scar tissue with our heat resistant gloves.

COLD PROTECTION

The human body is in a comfortable situation when the heart is beating at a regular speed. This happens at a mean blood temperature of 37°C. Using the right cold protection equipment is not a luxury. It will protect the wearer against cold blisters, slipping and under-cooling, while providing a satisfying level of comfort and protection.

- 86. NITRILE
- 86. NATURAL RUBBER LATEX
- 87. POLYURETHANE

HEAT PROTECTION

Burns to the hand and forearm can result in irreparable scar tissue. Prevent pain and scars by protecting yourself with heat resistant gloves. Insulated gloves protect up to 260°C. SHOWA® also offers protection to Arc Flash with SHOWA® 240.

- 90. PVC
- 92. NEOPRENE

TEMRES®

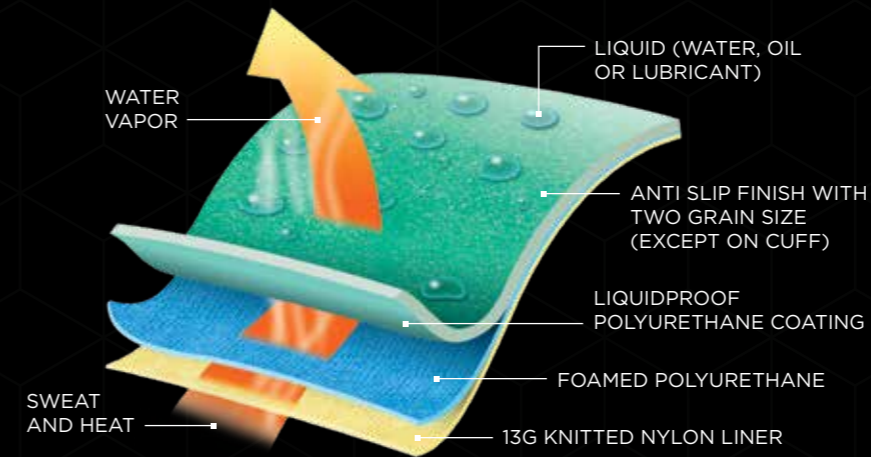
TEMRES® TECHNOLOGY ENABLES OUR GLOVES TO BE BREATHABLE AND WATER-RESISTANT, A COMBINATION OF THE APPARENTLY OPPOSING BUT IMPORTANT FEATURES OFFERED IN A SINGLE GLOVE.

The idea behind TEMRES® came from a challenge faced by Japanese workers who wanted to keep their hands free from sweat while working in wet environments. For many workers in the Japanese fishing industry for example, it was difficult to keep dry hands while at the same time working in wet and oily conditions. However, it is even more difficult to achieve good breathability in fully coated gloves while maintaining oil or water-resistance.

As a specialist glove manufacturer, SHOWA®, took on this challenge and developed the first TEMRES® 280 glove 19 years ago. The name TEMRES® comes from a combination of the Japanese words **Te**, which means “hand”, and **Murezu** meaning “no humidity”. TEMRES® glove was revolutionary at the time of its launch and its uniqueness and benefits have gradually become recognized in the market. Over the years we have perfected the technology and in 2005 the new TEMRES® 281 was launched. It features added anti-slip grip and a design for easier donning and doffing.



Use your smartphone camera to activate



HOW DOES IT WORK?

The concept in TEMRES® technology comes from differences in physical properties of liquid water and water vapor. Physical properties of water in liquid state, such as cohesion and lower molecular energy, means that water droplets typically range in size between 100 µm to 3,000 µm. On the other hand, the higher energy of water molecules in vapor means they are excited and moving freely. The size of water molecule is about 0.0003 µm. Our engineers used this significant size difference to create two main membranes in the glove that enable the TEMRES® effect: one for its breathability and one for water resistance.

Concretely, one membrane is made from porous foamed polyurethane, helping moisture come out easily and allowing the hand to dry promptly. The other one is the outermost layer made from hydrophilic polymer, which is permeable to moisture but not to water. The difference in concentration of water molecules and temperature leads to water vapor transfer from inside the glove to outside. This is the essential mechanism applied to TEMRES® gloves. The breathability allows hands to stay dry. At the same time its water-resistant property still protects the hands from water and liquids.



TEMRES® FAMILY

We are planning on expanding the TEMRES® series and applying and bringing the benefits of this technology to other applications, keeping our customers hands dry.



SHOWA®
**TEMRES®
281**

P.77



SHOWA®
**TEMRES®
282**

WINTER VERSION
P.87

COLD PROTECTION

NITRILE

NATURAL RUBBER LATEX



SHOWA®
477

Full nitrile coating combined with nitrile foam on palm on polyester/nylon/insulated acrylic liner

BENEFITS

- Water-resistant
- Abrasion-resistant
- Thermal insulation
- Oil grip

FEATURES

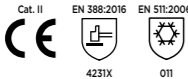
Liner: **Seamless knit polyester/Nylon/Insulated Acrylic**
Coating: **Nitrile/Nitrile foam**
Grip: **Foam**
+ **Elasticated wrist cuff, Ergonomic**

APPLICATIONS

- Concreting
- Washing and cleaning
- Planting & repotting
- Bottling
- Water/Sewage treatment
- Plumbing
- Drainage, piping
- Shipping/Receiving

REF	SIZE
477	7/M
477	8/L
477	9/XL
477	10/XXL

PACKAGING: 6 pairs per polybag.
6 dozen per case.



SHOWA® ATLAS®
451

Natural rubber latex palm coating over acrylic/cotton/polyester liner

BENEFITS

- Thermal insulation
- Extra Grip
- Seamless knit
- Abrasion-resistant
- Dry grip

FEATURES

Liner: **Seamless knit polyester/Nylon/Insulated Acrylic**
Coating: **Natural rubber latex**
Grip: **Rough**

APPLICATIONS

- Brick laying
- Carpentry
- Driving machines
- Masonry

REF	SIZE
451	7/S
451	8/M
451	9/L
451	10/XL

PACKAGING: 12 pairs per polybag.
12 dozen per case.



SHOWA®
406

Full foam natural rubber latex coating doubled with natural rubber on palm coating over nylon outer liner with insulated acrylic/nylon inner liner

BENEFITS

- Water-resistant
- Increased visibility
- Protects up to -22°F (-30°C)
- Breathable
- Thermal insulation

FEATURES

Liner: **Seamless knit nylon/Insulated Acrylic, nylon**
Coating: **Dual Natural rubber latex**
Grip: **Rough**
+ **Fluorescent, dual layer**

APPLICATIONS

- Brick laying
- Plumbing
- Washing and cleaning
- Shipping/Receiving
- Signaling

REF	SIZE
406	7/M
406	8/L
406	9/XL
406	10/XXL

PACKAGING: 6 pairs per polybag.
6 dozen per case.



COLD PROTECTION

POLYURETHANE



SHOWA®
**TEMRES®
282**

Fully breathable micro-ventilated polyurethane coating with micro roughened nitrile finish on fingertips over nylon/insulated acrylic liner

BENEFITS

- Breathable
- Thermal insulation
- Water-resistant
- Flexible
- Extra Grip

FEATURES

Liner: **Seamless knit nylon/Insulated Acrylic**
Coating: **Breathable PU**
Grip: **Rough**
+ **Ergonomic, Waterproof TEMRES® Technology**

APPLICATIONS

- Handling plants and vegetables
- Signalers
- Refrigeration
- Pool /Pond Maintenance
- Washing and cleaning
- Plumbing

REF	SIZE	LENGTH
282	8/M	10.8" (274mm)
282	9/L	10.8" (274mm)
282	10/XL	10.8" (274mm)
282	11/XXL	10.8" (274mm)

INDIVIDUALLY PACKAGED:
1 dozen per case.



IN COLD & WET CONDITIONS TEMRES® GLOVES ARE
THE CATCH OF THE DAY



Rough grip with extended cuff
with draw cord for precision fit

Waterproof TEMRES® technology

Premium comfort and
flexibility of PU



NEW

SHOWA's TEMRES® 282-02



POLYURETHANE



SHOWA®
**TEMRES®
282-02**

Seamless knit nylon &
Insulated acrylic liner with
waterproof TEMRES®
technology & extended cuff
with draw cord

BENEFITS

- Breathable
- Thermal insulation
- Water-resistant
- Seamless knit
- Flexible
- Cold protection
- Forearm protection

FEATURES

Liner: **Fleece lining**
Coating: **Polyurethane**
Grip: **Rough**
+ **Waterproof TEMRES® Technology**
with extended draw cord

APPLICATIONS

- Handling plants & vegetables
- Signalers
- Refrigeration
- Pool/Pond maintenance
- Washing & cleaning
- Hunting
- Winter sport

REF	SIZE
282-02	8/M
282-02	9/L
282-02	10/XL
282-02	11/XXL

PACKAGING: 12 polybags per case.
72 pair per case.



**NEW EXTENDED
CUFF & TOGGLE
FEATURE**



COLD PROTECTION
PVC



SHOWA® ATLAS®
460

Full PVC coating, extra coating on entire hand over cotton with acrylic lining

BENEFITS

- Protects up to -4°F (-20°C)
- Oil-resistant
- Chemical-resistant
- Extra Grip
- Water-resistant

FEATURES

Liner: **Cotton/Acrylic**
Coating: **PVC**
Grip: **Rough**



+ Forearm protection

APPLICATIONS

- Petrochemical
- Commercial fishing
- Cold storage

REF	SIZE
460	7/S
460	8/M
460	9/L
460	10/XL

INDIVIDUALLY PACKAGED:
12 pairs per polybag.
6 dozen per case.



SHOWA® ATLAS®
481

Full PVC coating with acrylic/cotton fleeced liner

BENEFITS

- Durable
- Chemical-resistant
- Forearm protection
- Seamless knit liner

FEATURES

Liner: **Seamless knit acrylic/cotton liner**
Coating: **Triple-dipped PVC coating**
Grip: **Rough**



APPLICATIONS

- Manufacturing
- Commercial fishing
- Cold storage
- Construction
- Chemical spray & treatment

REF	SIZE
481	8/M
481	9/L
481	10/XL

INDIVIDUALLY PACKAGED:
10 pairs per polybag.
5 dozen per case.

COLD PROTECTION
PVC



SHOWA® ATLAS®
490

Full PVC coating, extra coating on entire hand over cotton/fixed acrylic liner

BENEFITS

- Chemical-resistant
- Oil-resistant
- Protects up to -4°F (-20°C)
- Flexible
- Thermal insulation
- Form-fitting

FEATURES

Liner: **Cotton/Acrylic**
Coating: **PVC**
Grip: **Rough**



Flexible up to -4°F (-20°C)
+ Forearm protection

APPLICATIONS

- Washing and cleaning
- Transporting
- Light Chemical handling in Horticulture, Agriculture
- Commercial fishing

REF	SIZE
490	8/M
490	9/L
490	10/XL

INDIVIDUALLY PACKAGED:
12 pairs per polybag.
6 dozen per case.



SHOWA®
495

Full PVC coating, extra coating on entire hand over cotton with removable acrylic liner

BENEFITS

- Chemical-resistant
- Oil-resistant
- Protects up to -4°F (-20°C)
- Flexible
- Thermal insulation
- Form-fitting

FEATURES

Liner: **Cotton/Acrylic**
Coating: **PVC**
Grip: **Rough**
495 has a removable acrylic liner



Flexible up to -4°F (-20°C)
+ Forearm protection

APPLICATIONS

- Washing and cleaning
- Transporting
- Light Chemical handling in Horticulture, Agriculture
- Commercial fishing

REF	SIZE
495	8/M
495	9/L
495	10/XL

INDIVIDUALLY PACKAGED:
10 pairs per polybag.
5 dozen per case.



These SHOWA® gloves are an essential part of commercial fishing. They not only protect fishermen's hands but provide better handling of fish and other aquatic animals.

This is a great advantage in environments that are some of the toughest on the planet.





HEAT PROTECTION
NEOPRENE



A4
DuPont™
Kevlar.

SHOWA®
240

Sponge neoprene palm coating
over Kevlar® modacrylic,
fiberglass liner

BENEFITS

- Cut-resistant
- Arc flash protection
- Heat resistant
- Flexible
- Increased dexterity
- Breathable
- Abrasion-resistant
- Seamless knit

FEATURES

Liner: **Seamless Kevlar®/modacrylic/
fiberglass knit, 13 gauge**
Coating: **Sponge neoprene**
Grip: **Smooth**

APPLICATIONS

- Construction
- Maritime sector
- Metallurgy
- Oil & Gas/Offshore

REF	SIZE
240	7/S
240	8/M
240	9/L
240	10/XL
240	11/XXL

PACKAGED: 12 pairs per polybag.
6 dozen per case.



SHOWA®
8814

Full neoprene spray coating
over non-woven liner

BENEFITS

- Machine washable
- Increased dexterity
- Easy donning and doffing
- Heat-resistant/480°F (250 °C)

FEATURES

Liner: **Non-woven cut and sewn**
Coating: **Neoprene sprayed**
Grip: **Rough**

APPLICATIONS

- Ceramics
- Mechanical and engineering
- Metal Stamping
- Bakeries & delicatessens
- Casting

REF	SIZE	LENGTH
8814	7/S	14" (357mm)
8814	8/M	14" (357mm)
8814	9/L	14" (357mm)
8814	10/XL	14" (357mm)

PACKAGING: 1 dozen per case.



SHOWA®
6781R

Strong neoprene coating
over insulated cotton
jersey liner

BENEFITS

- Burn protection
- Extra Grip
- Abrasion-resistant
- Chemical-resistant
- Heat-resistant

FEATURES

Liner: **Cotton**
Coating: **Fully-coated
neoprene**
Grip: **Rough
Insulated**



APPLICATIONS

- Chemical spray and treatment
- Painting & spray workshops
- Handling light chemicals in agriculture
- Handling hot parts
- Bakeries

REF	SIZE	LENGTH
6781R	10/L	12" (305mm)

PACKAGING: 3 dozen per case.

HEAT PROTECTION
NEOPRENE



SHOWA®
6781R-06

Strong neoprene coating
over insulated cotton jersey
liner with a 6" (152mm) sewn
on nitrile insulated sleeve

BENEFITS

- Chemical-resistant
- Burn protection
- Extra Grip
- Abrasion-resistant
- Cut-resistant
- Heat-resistant
- Elbow length

FEATURES

Liner: **Cotton**
Coating: **Fully-coated
neoprene**
Grip: **Rough**
Diameter - 7.5" (191mm)
Circumference - 23.56" (598mm)



APPLICATIONS

- Chemical spray and treatment
- Laboratory, pharma & analysis
- Handling light chemicals in agriculture
- Handling hot parts
- Bakeries

REF	SIZE	LENGTH
6781R-06	10/L	18" (457mm)

PACKAGING: 1 dozen per case.



SHOWA®
6781R-145

Strong neoprene coating
over insulated cotton jersey liner
with a 14" (357mm) sewn on
nitrile insulated sleeve

BENEFITS

- Burn protection
- Extra Grip
- Abrasion-resistant
- Chemical-resistant
- Cut-resistant
- Heat-resistant
- Full-arm protection

FEATURES

Liner: **Cotton**
Coating: **Fully-coated
neoprene**
Grip: **Rough**
Diameter - 8" (203mm)
Circumference - 25.56" (649mm)



APPLICATIONS

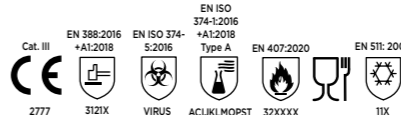
- Chemical spray and treatment
- Laboratory, pharma & analysis
- Handling light chemicals in agriculture
- Handling hot parts
- Bakeries

REF	SIZE	LENGTH
6781R-145	10/L	26" (660mm)

PACKAGING: 1 dozen per case.



Both models displayed are
used to protect the hands
against heat, working with
temperatures up to 480°F
or 250°C. The SHOWA®
6781R-145 offers full
arm protection being
26" (660mm) long
compared to the 6781R-06
at 18" (457mm) long.





SINGLE USE

SHOWA® is the first to manufacture biodegradable single use nitrile and accelerator-free nitrile hand protection. We offer a variety of different styles, thicknesses, and lengths, suitable for environments such as industrial automotive, chemical, as well as the option of accelerator-free.

SHOWA® SINGLE USE RANGE

Combining years of expertise and market insight, SHOWA® introduces the most comprehensive biodegradable nitrile solution. The range offers a broad choice of single use gloves, composed of 15 different styles from XS to XXL sizes, suitable for laboratory, pharmaceutical, food industry, automotive and harmful chemical usage and in compliance with all CE standards.



THE SINGLE USE RANGE IS DESIGNED TO FEATURE ALL THE FOLLOWING PHYSICAL PROPERTIES AND BENEFITS:



KEY FEATURES & PHYSICAL PROPERTIES

- Nitrile and powder-free
- Elongation > 500%
- Biodegradable raw material



COMFORT & PERFORMANCES

- High chemical performance against permeation and degradation
- Second skin feel, softer texture
- Low-modulus formulation to improve fit and reduce fatigue
- Textured finish on fingertips to enhance grip

As the original inventor of the world's first single use nitrile glove in 1991, SHOWA® has continued over the last three decades to bring further innovation to single use nitrile. We analyzed trends and growth drivers to become more competitive by offering the broadest lines of superior quality single use gloves and comprehensive solutions, complying with market requirements:


- Free of powder and natural rubber
- Easy donning and doffing
- Chemical resistant
- Multiple choice colors and thicknesses
- High tensile strength
- Safe for workers' skin
- Comfort in use and high sensitivity
- Ergonomic fit
- Durable and cost-effective glove
- Accelerator-free

To us, sustainability isn't just a commitment, it's part of our legacy. We launched the first biodegradable single- use glove in 2012 as the first step in our sustainability journey: a way to reduce the impact that gloves have on the environment. This strategy remains our primary focus as we expand Eco Best Technology® into every color and inch thickness within our product offering, including reusable gloves. This way we can meet the demands of today, without compromising for tomorrow.

Today you can choose from a wide range of gloves with **Eco Best Technology®**, that meets a specific application need.



SHOWA® SINGLE USE RANGE SUMMARY

	THICKNESS	LENGTH	SIZE	FDA 21CFR	ACCELERATOR FREE	COATING		GRIP
7502PF	2.5 MIL (0.06mm)	9.5" (241mm)	XS-XXL	X		NITRILE	X	Textured
7005PF	4 MIL (0.10mm)	9.5" (241mm)	XS-XXL	X		NITRILE	X	Textured
7500PF	4 MIL (0.10mm)	9.5" (241mm)	XS-XXL	X		NITRILE	X	Textured
6005PF	4 MIL (0.10mm)	9.5" (241mm)	XS-XL	X		NITRILE	X	Textured
6110PF	4 MIL (0.10mm)	9.5" (241mm)	XS-XXL	X		NITRILE	X	Bisque
6112PF	4 MIL (0.10mm)	9.5" (241mm)	XS-XXL	X		NITRILE	X	Bisque
7700PFT	4 MIL (0.10mm)	9.5" (241mm)	S-XL	X	X	NITRILE	X	Bisque
7705PFT	4 MIL (0.10mm)	9.5" (241mm)	XS-XL	X	X	NITRILE		Bisque
9700PF	6 MIL (0.15mm)	11" (279mm)	S-XL	X	X	NITRILE		Bisque
9905PF	6 MIL (0.15mm)	11" (279mm)	XS-XL	X	X	NITRILE		Smooth
8005PF	8 mil (0.20mm)	9.5" (241mm)	S-XL	X		NITRILE		Smooth
2005PF	3 mil (0.08mm)	9.5" (241mm)	S-XL			VINYL		Smooth
3005PF	4 mil (0.10mm)	9.5" (241mm)	XS-XL	X		NITRILE		Smooth
5005	3 mil (0.08mm)	9.5" (241mm)	XS-XL			NATURAL RUBBER LATEX		Bisque
5005PF	3 mil (0.08mm)	9.5" (241mm)	XS-XL			NATURAL RUBBER LATEX		Bisque

BIODEGRADABLE NITRILE



SHOWA®
7502PF

Nitrile, powder-free, blue, lightweight, 2.5-mil (0.06mm), textured finish, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Natural rubber free
- Extreme tactile sensitivity

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **2.5 mil (0.08mm)**
Grip: **Textured**
Eco Best Technology®
Rolled Cuff
+FDA 21 CFR 177.2600

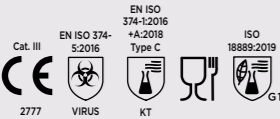


APPLICATIONS

- Handling plants and vegetables
- Light Chemical Handling
- Food Service/Food Prep
- Washing and cleaning

REF	SIZE	LENGTH
7502PF	5-6/XS	9.5" (241mm)
7502PF	6-7/S	9.5" (241mm)
7502PF	7-8/M	9.5" (241mm)
7502PF	8-9/L	9.5" (241mm)
7502PF	9-10/XL	9.5" (241mm)
7502PF	10-11/XXL	9.5" (241mm)

PACKAGING: 200 gloves per dispenser.
10 dispensers per case.
XXL- 180 gloves per dispenser.



SHOWA®
6005PF

Nitrile, Powder-free, blue, lightweight, 4-mil (0.10mm), textured finish, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Natural rubber free

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Textured**
Eco Best Technology®
Rolled Cuff
+FDA 21 CFR 177.2600

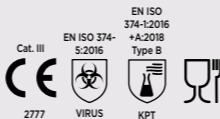


APPLICATIONS

- Biotechnology
- Airports & Ports
- Product inspections
- Food processing
- Laboratory, Pharma & Analysis

REF	SIZE	LENGTH
6005PF	6-7/S	9.5" (241mm)
6005PF	7-8/M	9.5" (241mm)
6005PF	8-9/L	9.5" (241mm)
6005PF	9-10/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
20 dispensers per case.



BIODEGRADABLE NITRILE



SHOWA®
7005PF

Nitrile, Powder-free, blue, lightweight, 4-mil (0.10mm), textured finish, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Natural rubber free

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Textured**
Eco Best Technology®
Rolled Cuff
+FDA 21 CFR 177.2600

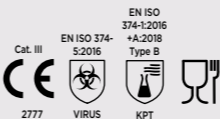


APPLICATIONS

- Biotechnology
- Airports & Ports
- Product inspections
- Food processing
- Laboratory, Pharma & Analysis

REF	SIZE	LENGTH
7005PF	6-7/S	9.5" (241mm)
7005PF	7-8/M	9.5" (241mm)
7005PF	8-9/L	9.5" (241mm)
7005PF	9-10/XL	9.5" (241mm)
7005PF	10-11/XXL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
20 dispensers per case.
XXL- 90 gloves per dispenser.



SHOWA®
7500PF

Nitrile, powder-free, blue, lightweight, 4-mil (0.10mm), textured finish, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Flexible
- Natural rubber free
- Increased dexterity

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Textured**
Eco Best Technology®
Rolled Cuff
+FDA 21 CFR 177.2600

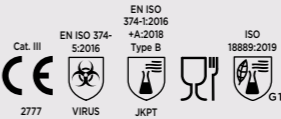


APPLICATIONS

- Intricate parts handling
- Biotechnology
- Pet Food production
- Washing and cleaning
- Laboratory, Pharma & Analysis

REF	SIZE	LENGTH
7500PF	5-6/XS	9.5" (241mm)
7500PF	6-7/S	9.5" (241mm)
7500PF	7-8/M	9.5" (241mm)
7500PF	8-9/L	9.5" (241mm)
7500PF	9-10/XL	9.5" (241mm)
7500PF	10-11/XXL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.
XXL- 90 gloves per dispenser.



SHOWA®
6110PF

Nitrile, powder-free, green, lightweight, 4-mil (0.10mm), bisque fingertips, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Form-fitting
- Natural rubber free

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Bisque fingertips**
Eco Best Technology®
Rolled Cuff
+FDA 21 CFR 177.2600

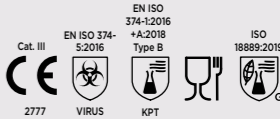


APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Food Service/Food Prep
- Poultry, meat & seafood processing

REF	SIZE	LENGTH
6110PF	5-6/XS	9.5" (241mm)
6110PF	6-7/S	9.5" (241mm)
6110PF	7-8/M	9.5" (241mm)
6110PF	8-9/L	9.5" (241mm)
6110PF	9-10/XL	9.5" (241mm)
6110PF	10-11/XXL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.
XXL- 90 gloves per dispenser.



BIODEGRADABLE NITRILE

NITRILE



SHOWA®
6112PF

Nitrile, powder-free, black, lightweight, 4-mil (0.10mm), bisque fingertips, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Form-fitting
- Natural rubber free
- Anti-static

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Bisque fingertips**
Eco Best Technology®
Roller Cuff
+FDA 21 CFR 177.2600

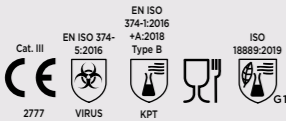


APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Tattooing
- Crime Scene Investigation
- Food Service/Food Prep
- Poultry, meat & seafood processing

REF	SIZE	LENGTH
6112PF	5-6/XS	9.5" (241mm)
6112PF	6-7/S	9.5" (241mm)
6112PF	7-8/M	9.5" (241mm)
6112PF	8-9/L	9.5" (241mm)
6112PF	9-10/XL	9.5" (241mm)
6112PF	10-11/XXL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.



SHOWA®
7700PFT

Nitrile, powder-free, black, lightweight, 4-mil (0.10mm), bisque fingertips, 9.5" (241mm), with Eco Best Technology®

BENEFITS

- Low modulus nitrile
- Biodegradable
- Natural rubber free
- Accelerator-free
- Anti-static

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Bisque fingertips**
Eco Best Technology®
Roller Cuff
+FDA 21 CFR 177.2600

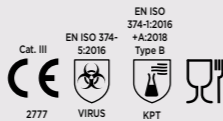


APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Tattooing
- Crime Scene Investigation
- Food Service/Food Prep
- Veterinary
- Public utility

REF	SIZE	LENGTH
7700PFT	6-7/S	9.5" (241mm)
7700PFT	7-8/M	9.5" (241mm)
7700PFT	8-9/L	9.5" (241mm)
7700PFT	9-10/XL	9.5" (241mm)

PACKAGING: 50 gloves per dispenser.
20 dispensers per case.



SHOWA®
7705PFT

Nitrile, powder-free, green, lightweight, 4-mil (0.10mm), bisque fingertips, 9.5" (241mm)

BENEFITS

- Low modulus nitrile
- Natural rubber free
- Accelerator-free

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Bisque fingertips**
Roller Cuff
+FDA 21 CFR 177.2600

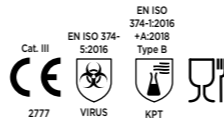


APPLICATIONS

- Automotive repairs and maintenance
- Intricate parts handling
- Product Inspection
- Food Service/Food Prep
- Veterinary

REF	SIZE	LENGTH
7705PFT	5-6/XS	9.5" (241mm)
7705PFT	6-7/S	9.5" (241mm)
7705PFT	7-8/M	9.5" (241mm)
7705PFT	8-9/L	9.5" (241mm)
7705PFT	9-10/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
20 dispensers per case.



SHOWA®
9700PF

Nitrile, powder-free, black, lightweight, 6-mil (0.15mm), bisque fingertips, 11" (279mm)

BENEFITS

- Low modulus nitrile
- Natural rubber free
- Extended length
- Accelerator-free
- Anti-static

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **6 mil (0.15mm)**
Grip: **Bisque fingertips**
Roller Cuff
+FDA 21 CFR 177.2600

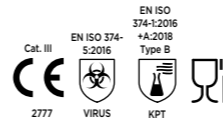


APPLICATIONS

- Intricate parts handling
- Tattooing
- Crime Scene Investigation
- Light assembly of oil-coated pieces
- Mechanical and engineering
- Automotive repairs and maintenance

REF	SIZE	LENGTH
9700PF	6-7/S	11" (279mm)
9700PF	7-8/M	11" (279mm)
9700PF	8-9/L	11" (279mm)
9700PF	9-10/XL	11" (279mm)

PACKAGING: 50 gloves per dispenser.
20 dispensers per case.



SHOWA®
9905PF

Nitrile, powder-free, blue, lightweight, 6-mil (0.15mm), smooth finish, 11" (279mm)

BENEFITS

- Low modulus nitrile
- Flexible
- Natural rubber free
- Extended length
- Increased dexterity
- Accelerator-free

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **6 mil (0.15mm)**
Grip: **Smooth**
Roller Cuff
+FDA 21 CFR 177.2600

APPLICATIONS

- Product Inspection
- Food processing
- Sample taking & Processing
- Public utility
- Painting and spray workshop

REF	SIZE	LENGTH
9905PF	5-6/XS	11" (279mm)
9905PF	6-7/S	11" (279mm)
9905PF	7-8/M	11" (279mm)
9905PF	8-9/L	11" (279mm)
9905PF	9-10/XL	11" (279mm)

PACKAGING: 50 gloves per dispenser.
20 dispensers per case.



SHOWA®
8005PF

Nitrile, powder-free, blue, lightweight, 8-mil (0.20mm), smooth finish, 9.5" (241mm)

BENEFITS

- Low modulus nitrile
- Biodegradable
- Easy donning and doffing
- Natural rubber free
- Increased dexterity

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **8 mil (0.20mm)**
Grip: **Smooth**
Roller Cuff
+FDA 21 CFR 177.2600

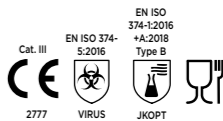


APPLICATIONS

- Handling plants and vegetables
- Intricate parts handling
- Painting & spray workshops
- Product Inspection
- Food processing
- Sample taking & Processing
- Pharmaceuticals and API

REF	SIZE	LENGTH
8005PF	6-7/S	9.5" (241mm)
8005PF	7-8/M	9.5" (241mm)
8005PF	8-9/L	9.5" (241mm)
8005PF	9-10/XL	9.5" (241mm)

PACKAGING: 50 gloves per dispenser.
20 dispensers per case.



NITRILE



SHOWA® 3005PF

Nitrile, powder-free, blue, lightweight, 4-mil (0.10mm), smooth finish, 9.5" (241mm)

BENEFITS

- Low modulus nitrile
- Easy donning and doffing
- Natural rubber free
- Increased dexterity

FEATURES

Liner: **Unlined**
Coating: **Nitrile**
Thickness: **4 mil (0.10mm)**
Grip: **Smooth**
Roller Cuff
+FDA 21 CFR 177.2600

APPLICATIONS

- Handling plants and vegetables
- Intricate parts handling
- Painting & spray workshops
- Product Inspection
- Food processing
- Sample taking & Processing
- Pharmaceuticals and API

REF	SIZE	LENGTH
3005PF	5-6/XS	9.5" (241mm)
3005PF	6-7/S	9.5" (241mm)
3005PF	7-8/M	9.5" (241mm)
3005PF	8-9/L	9.5" (241mm)
3005PF	9-10/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.

VINYL



SHOWA® 2005PF

Vinyl, powder-free, clear, lightweight, 3-mil (0.08mm), smooth finish, 9.5-inch (241mm)

BENEFITS

- Skin-friendly
- Increased dexterity
- DEHP free
- Easy donning & doffing
- Rolled cuff

FEATURES

Liner: **Unlined**
Coating: **Vinyl**
Thickness: **3 mil (0.08mm)**
Grip: **Smooth**

APPLICATIONS

- Bakeries & delicatessen
- Food packing and handling
- Food service/Food Prep
- Sanitation and dishwashing

REF	SIZE	LENGTH
2005PF	6/S	9.5" (241mm)
2005PF	7/M	9.5" (241mm)
2005PF	8/L	9.5" (241mm)
2005PF	9/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.

NATURAL RUBBER LATEX



SHOWA® 5005

Natural rubber latex, lightly powdered, white, lightweight, 3-mil (0.08mm), bisque finish, 9.5-inch (241mm)

BENEFITS

- Easy donning & doffing
- Breathable
- Outstanding strength
- Extreme tactile sensitivity

FEATURES

Liner: **Unlined and powdered**
Coating: **Natural rubber latex**
Thickness: **3 mil (0.08mm)**
Grip: **Bisque**

APPLICATIONS

- Laboratory
- Veterinary
- Washing & cleaning
- Cytostatics

REF	SIZE	LENGTH
5005	5-6/XS	9.5" (241mm)
5005	6-7/S	9.5" (241mm)
5005	7-8/M	9.5" (241mm)
5005	8-9/L	9.5" (241mm)
5005	9-10/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.

NATURAL RUBBER LATEX



SHOWA® 5005PF

Natural rubber latex, powder-free, white, lightweight, 3-mil (0.08mm), bisque finish, 9.5-inch (241mm)

BENEFITS

- Easy donning & doffing
- Breathable
- Outstanding strength
- Extreme tactile sensitivity

FEATURES

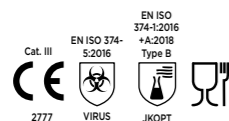
Liner: **Unlined**
Coating: **Natural rubber latex**
Thickness: **3 mil (0.08mm)**
Grip: **Bisque**

APPLICATIONS

- Laboratory
- Veterinary
- Washing & cleaning
- Cytostatics

REF	SIZE	LENGTH
5005PF	5-6/XS	9.5" (241mm)
5005PF	6-7/S	9.5" (241mm)
5005PF	7-8/M	9.5" (241mm)
5005PF	8-9/L	9.5" (241mm)
5005PF	9-10/XL	9.5" (241mm)

PACKAGING: 100 gloves per dispenser.
10 dispensers per case.



EUROPEAN STANDARDS FOR PPE

The **European Directive 89/686/EEC** on PPE has been superseded by the new **PPE Regulation (EU) 2016/425**. This Regulation, that introduces revisions in several PPE standards such as EN 388 and EN 374, was published in the Official Journal of the European Union on 31st March 2016 and is being applied as of 21st April 2018. The existing certificates according to the Directive will remain valid until 21st April 2023. For more information on the revision of the Directive and its implications, please visit the **SHOWA®** group website.

SHOWA® has recertified all products according to the new regulations, and these changes can be seen on the technical documentation available from the website.

Please note that products manufactured after the recertification will have the updated norms on the glove stamp. Gloves manufactured before the recertification will have the old norms. This is not a reflection on the quality of the gloves and they can still be used.

CE CATEGORY

European Directive 89/686/EEC



- CATEGORY I** Minor risks.
- CATEGORY II** Reversible risks (injury), certified compliant by a notified body.
- CATEGORY III** Irreversible risks (corrosion), certified compliant and tested by a notified body whose number is specified.

EN ISO 21420:2020

Protective gloves – general requirements

- General requirements and relevant test procedures for glove design and construction
- Innocuousness
- Comfort and efficiency
- Marking
- Information supplied by the manufacturer

EN ISO 374-1: 2016 +A1:2018

The standard defines requirement for the capability of gloves to protect the user against penetration, permeation and degradation by chemicals and microorganisms. It classifies three types of gloves by level of protection (A, B, and C).

EN 16523-1:2015 +A1:2018

(replaces EN 374-3)

Resistance to chemical permeation



Transition period until 21st April 2023



See more at **ChemRest.com**

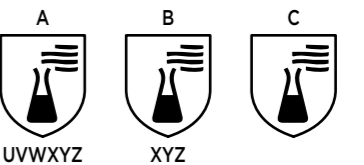
Test method to measure the resistance of the PPE material to permeation by hazardous chemicals at molecular level and under continuous contact. The resulting value is the breakthrough time or the time needed by the hazardous liquid or gas to get in contact with the skin. The glove is classified in terms of breakthrough time performance level 1 to 6.

Measured breakthrough time	Permeation performance index
> 10	1
> 30	2
> 60	3
> 120	4
> 240	5
> 480	6

The standard defines a list of 18 chemicals. The minimum breakthrough time for a Type A glove is 30 mins (Level 2) for 6 chemicals, for a Type B it is 30 mins for at least 3 chemicals, and for Type C it is 10 mins (Level 1) for at least 1 chemical on the list.

Type of gloves	Breakthrough time
A	≥30 min for at least 6 chemicals
B	≥30 min for at least 3 chemicals
C	≥10 min for at least 1 chemical

The ‘chemical resistant’ glove pictogram must be accompanied by code letters for the tested chemicals for Type A and Type B gloves. Type C marked gloves are without any code letter.



From 21/04/2018

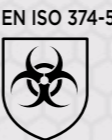
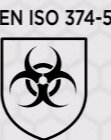
LIST OF CHEMICALS:

Letter code	Chemical	CAS number	Class
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon
E	Carbon disulphide	75-15-0	Organic compound containing sulphur
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic ether
I	Ethyl acetate	141-78-6	Ester
J	n-Heptane	142-82-5	Saturated hydrocarbon
K	Caustic soda 40%	1310-73-2	Inorganic base
L	Sulfuric acid 97%	7664-93-9	Inorganic mineral acid
M	65% Nitric acid	7697-37-2	Inorganic mineral acid, oxidizing
N	99% Acetic acid	64-19-7	Organic acid
O	25% Ammonium hydroxide	1336-21-6	Organic base
P	30% Hydrogen peroxide	7722-84-1	Peroxide
S	40% Hydrofluoric acid	7664-39-3	Inorganic mineral acid, contact poison
T	37% Formaldehyde	50-00-0	Aldehyde

NEW CHEMICALS

EN ISO 374-5: 2016

Protection against micro-organisms



Micro-organisms are defined by the standard as bacteria, fungi or viruses. To claim resistance to bacteria and fungi the glove must pass the penetration resistance test according to standard EN 374-5: 2016. If the glove passes ISO 16604: 2004 (method B) test it can claim resistance to viruses as well, and the term “VIRUS” will be added below the biohazard pictogram.

EN 388: 2016

Mechanical risks



- A) ABRASION RESISTANCE (0-4)**
Number of cycles required to abrade a hole using abrasive paper in a circular sample of glove material under constant pressure and motion.
- B) BLADE CUT RESISTANCE BY COUP TEST (0-5)**
Number of cycles required to cut a sample using a stainless steel circular blade under constant speed and low force of 5 newtons (approx. 510g). For materials that dull the blade, after a certain number of cycles without cut through, the ISO 13997 test is performed and becomes the reference cut resistance value.
- C) TEAR RESISTANCE (0-4)**
Force required to propagate a tear in a rectangular sample of a glove with a starting incision, to a maximum force of 75N (approx. 7.6kg).
- D) PUNCTURE RESISTANCE (0-4)**
Force required to puncture the sample with a standard size steel point at a constant speed of 10 cm/min.
- E) BLADE CUT RESISTANCE BY ISO TEST (A-F)**
Force in newtons (N) required to cut through a sample using a rectangular blade in a specified cut test machine such as Tomodynamometer (TDM). This test is optional unless the blade in Coup test becomes dull, whereupon it becomes the reference for cut resistance. A letter value is assigned as follows:

Level of protection	A	B	C	D	E	F
Force in newtons	>2	≥5	≥10	≥15	≥22	≥30
Cut resistance	LOW	MEDIUM		HIGH		

F) IMPACT RESISTANCE (P)
For protective gloves claiming impact resistance. Measures dissipation of force by the area of protection upon an impact of a domed anvil at an impact energy of 5 joules. Testing is carried out in accordance with the impact protection test for motorcycle protective gloves of EN 13594:2015 standard. A letter “P” is added on successful pass, while a fail remains unmarked. Level X can also be applied for a – f above, which means “not tested”.

Level of protection	1	2	3	4	5
Abrasion resistance (number of cycles)	>100	≥500	≥2000	≥8000	-
Blade cut resistance by Coup test (index)	>1,2	≥2,5	≥5	≥10	≥20
Tear resistance (force in newtons)	>10	≥25	≥50	≥75	-
Puncture resistance (force in newtons)	>20	≥60	≥100	≥150	-

EN 511: 2011

Cold-related risks



- Tested levels of glove performance in terms of the following risks:
- Climatic or industrial cold transmitted by convection (0 to 4).
 - Climatic or industrial cold transmitted by contact (0 to 4).
 - Impermeability to water (0 or 1).
- If the glove shows this symbol, it has achieved a performance index for (from left to right) climatic cold or industrial cold transmitted by convection, climatic cold or industrial cold transmitted by contact, impermeability to water.
- “O” means that during the test level 1 was not reached.
- “X” means that the test was not performed or not possible.

EN 407:2020

Protective gloves and other hand protective equipment's against thermal risks (heat and/or fire)



Claims a limited flame spread level of performance (at least level 1), flame protection is claimed



Does not claim a limited flame spread level of performance and no flame protection is claimed

- This standard is used to define test methods, marking, requirements, and any other information for gloves against thermal risks such as conductive heat, radiant heat, etc.
- HEAT-RELATED RISKS**
- Tested levels of glove performance in terms of the following risks:
- Resistance to limited flame spread (0 to 4)
 - Resistance to contact heat (0 to 4)
 - Resistance to convective heat (0 to 4)
 - Resistance to radiant heat (0 to 4)
 - Resistance to small splashes of molten metal (0 to 4)
 - Resistance to large quantities of molten metal (0 to 4)
 - “O” means that during the test level 1 was not reached.
 - “X” means that the test was not performed or not possible.

EN 1149

Protective clothing - Electrostatic properties

EN 16350

Protective clothing - Electrostatic properties

RISKS RELATED TO FOOD CONTACT



- Part 1 – Test method for Surface Resistance of the article.
- Part 2 – Test method for measurement of the electrical resistance through an article.
- Part 3 – Test method for charge decay at a single point of the article.
- Part 5 – Article performance and design requirements.

Standard to be used in ATEX zone (working place/condition with risk of explosion) EN 16350 utilizes EN 1149-2 and is part of the EN 21420

It is applied to materials and articles that, at finished state, are intended to come into contact or are brought into contact with foodstuffs or with water that is for human consumption. According to Regulation 1935/2004: «The materials and articles must be manufactured in accordance with good manufacturing practice so that, under normal or foreseeable conditions for their use, they do not transfer their constituents to food in quantities which could:

- Present a danger to human health,
- Results in an unacceptable change in the composition of the foodstuffs or a deterioration in the organoleptic characteristics thereof.»

All SHOWA gloves with the «food contact» logo are conform to Regulation (EU) No 1935/2004 and the Regulation (EU) No 2023/2006.

EUROPEAN REGULATION MDR 2017/745 FROM DIRECTIVE 93/42/EEC COVERING MEDICAL EXAMINATION AND SURGICAL GLOVES

EN 455-1

Freedom from holes

A random sample of gloves is tested for freedom of holes by undergoing a water leak penetration test. The gloves are filled with 1l of water and must remain completely leak proof over a defined period of time. A failed test results in a higher AQL value, which for medical gloves sold in Europe must be 1,5 or lower.

AQL (accepted quality level) is a quality sampling procedure ISO 2859-1 used by manufacturers for measuring the % likelihood of pinhole defects in a batch of single use gloves. An AQL of 1,5 brings a statistical probability that less than 1,5% of the gloves in the batch will have defects.

EN 455-2

Physical properties

Size and tensile strength requirements for single use medical gloves. No less than 240mm in median length and 95mm (±10mm) median width to provide adequate protection along full length of the hand (exception for long cuff gloves).

Strength is measured by elongation until breaking point, indicated as Force At Break (FAB) in newtons (N). FAB is measured on standard sample and on a rapid aged sample that is kept at 70°C for 7 days to simulate glove deterioration during prolonged shelf life. FAB requirements differ per glove material and if the glove is for examination or surgical purpose. Indication of median minimum FAB values:

	Force at break (N) during shelf life	
	Rubbers (e.g. natural natural rubber, nitrile)	Thermoplastics (e.g. PVC, vinyl, butyl)
Examination glove	≥ 6,0	≥ 3,6
Surgical glove	≥ 9,0	-

EN 455-3

Biological evaluation

A number of important requirements are specified to maintain biological safety of the glove for the medical practitioner as well as the patient. “NATURAL RUBBER” pictogram on packaging for natural natural rubber rubber gloves is mandatory. No terms suggesting relative safety of usage are permitted i.e. low allergenicity, hypoallergenicity or low protein content. Powder residue, which is seen as unwanted contaminant on medical gloves, must not exceed 2mg per glove with “powder-free” claim. Water extractable natural rubber protein content in natural rubber gloves must not exceed 50 microgram per gram of rubber to minimize natural rubber exposure that can cause allergic reactions. The level of endotoxins generated by bacteria on sterile gloves that claim “low endotoxin level” may not exceed 20 EU per glove pair (EU=Endotoxin Units).

EN 455-4

Shelf life determination

The standard ensures there is no performance degradation during storage period prior to use. Accelerated aging tests are performed on glove samples to determine shelf life, to enable manufacturers to prove that their product will withstand (usually) up to 3 years and in some cases up to 5 years without losing their strength and protection properties.



PROTECT WHAT MATTERS

Hands provide 70% of man's total motor abilities.

Endowed with exceptional mobility and agility, the hand is a highly developed tool comprising 27 bones, several feet of blood vessels and thousands of nerve endings. Our skin is the first layer of protection and, efficient as it may be, it offers limited resistance to the cold and other dangers such as cuts, abrasions and harsh chemical exposures.

Always Innovating.
Never Imitating.

Beginning with the world's first PVC and Disposable Nitrile gloves, we've always led the pack with better, safer ways for you to work with your hands.

We combine our technological expertise and mastery of design with an intimate understanding of our customers, their work and the protection they need to go above and beyond. This approach enables us to take protection to the next level with advancements like our cut-resistant **Hagane Coil®** and **S-TEX®** range. Our standard is the highest standard of performance and safety, providing you the ultimate defense, no matter what task awaits you.

Quality is woven
into every fiber
of our organization.

We have full control of our industrial ecosystem, enabling us to maintain consistent quality and achieve perfection at every level. We perform every possible resistance test in our labs to ensure that each glove is fit for work before packaging and delivery. All of our production sites around the world are ISO 9001 certified and embrace our relentless pursuit of excellence.

BETTER-PROTECTED USERS

It is a mistake to believe that for a glove to be good, it just needs to meet current standards and prevent whatever risk the user is facing. The reality is much more complicated than it appears.

Whatever the industry, working conditions or application, the glove needs to be as comfortable as possible. Comfort is paramount as, without this essential quality, the worker's safety would be considerably reduced.

Historically, a lot of construction workers would not wear gloves because it limited their dexterity and prevented them from doing their jobs correctly. Despite the risks, they found it more practical to work without protective gloves. Faced with this situation, manufacturers of personal protective equipment, especially SHOWA®, have developed solutions that enable everyone to benefit from increased comfort and exemplary protection.

By developing ergonomic glove ranges that perfectly follow the shape of the hand and as the first company to develop seamless, coated gloves and certain high-performance fibers, SHOWA® is a forerunner in numerous technological advancements. Providing a high level of protection against mechanical and chemical risks, SHOWA® gloves always offer more comfort, flexibility and accuracy than any other brand.

[100%] Integrated
Manufacturer
Since 1951

By owning all of our manufacturing, design and inspection processes, we create our own machinery, yarns, coatings, polymers and hand formers. This unchallenged level of control fuels our innovation process, resulting in unreplicable products and technology that give us a significant advantage over our competition.

COMMITTED TO FAIR LABOR

The Business Social Compliance Initiative (BSCI) is a business-driven initiative for companies committed to social responsibility in their supply chain, regardless of their size, sector or industry. BSCI offers companies one common Code of Conduct and a holistic system to foster better working conditions in global supply chains.

The BSCI Code of Conduct is based on the most important international labor standards protecting workers' rights. It sets out 11 core labor rights, which BSCI participants commit to implement and monitor with their business partners within their supply chains.

SHOWA® is committed to improving working conditions, engaging with stakeholders and endorsing the BSCI Code of Conduct and Appendices. We believe that compliance with local regulations and core social standards defined by international organisations for labor and human rights is an opportunity for further improving the working conditions in our integrated supply chain.

SHOWA® agrees to respect the following labor principles set out in the BSCI Code of Conduct.

BSCI Principles



THE RIGHTS OF FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING

Our enterprise respects the right of workers to form unions or other kinds of workers' associations and to engage in collective bargaining.



FAIR REMUNERATION

Our enterprise respects the right of workers to receive fair remuneration.



OCCUPATIONAL HEALTH AND SAFETY

Our enterprise ensures a healthy and safe working environment, assessing risks and taking all necessary measures to eliminate or reduce them.



SPECIAL PROTECTION FOR YOUNG WORKERS

Our enterprise provides special protection to any workers that are not yet adults.



NO BONDED LABOR

Our enterprise does not engage in any form of forced servitude, trafficked or non-voluntary labor.



ETHICAL BUSINESS BEHAVIOUR

Our enterprise does not tolerate any acts of corruption, extortion, embezzlement or bribery.



NO DISCRIMINATION

Our enterprise provides equal opportunities and does not discriminate against workers.



DECENT WORKING HOURS

Our enterprise follows local laws/regulations regarding hours of work.



NO CHILD LABOR

Our enterprise does not hire any worker below the legal minimum age.



NO PRECARIOUS EMPLOYMENT

Our enterprise hires workers on the basis of documented contracts according to the law.



PROTECTION OF THE ENVIRONMENT

Our enterprise takes the necessary measures to avoid environmental degradation.

Source: www.bsci-intl.org

COMMITTED TO SAFE MANUFACTURING



REACH is a regulation of the European Union, adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals, while enhancing the competitiveness of the EU chemicals industry. It also promotes alternative methods for the hazard assessment of substances in order to reduce the number of tests on animals.

REACH stands for Registration, Evaluation, Authorisation and Restriction of Chemicals. REACH establishes procedures for collecting and assessing information on the properties and hazards of substances. SHOWA's whole manufacturing process is in line with the requirements of the European REACH Regulation. All SHOWA® products today and in the future will remain free from substances of very high concern (SVHC).

Source: www.echa.europa.eu



SENTINEL

Protection That Pays Off

THE SENTINEL ADVANTAGE:

- ✕ Improves Cost Control
- ✕ Eliminates Waste
- ✕ Reduces Work-Related Injuries
- ✕ Enhances Productivity
- ✕ Consolidates Inventory
- ✕ Ensures Compliance with OSHA 29CFR 1910.132

When it comes to safety, you get what you pay for. And when it comes to cutting costs, high-performance hand protection is always a safe investment.

SHOWA's Sentinel program provides customized safety solutions that help prevent work-related injuries and optimize your operation's cost performance. Proven to **reduce costs by up to 33 percent**, we'll give you a competitive edge by helping you get the most from your hand protection.



Sentinel's **5-Phase Methodology** is a holistic approach to optimizing your operation's safety and cost-performance. Beginning with a comprehensive hazard assessment, we identify risks in your workplace and establish a benchmark to measure the impact of Sentinel's effectiveness over time.

HERE'S HOW IT WORKS:



EVALUATION:
SHOWA's highly-trained field experts conduct a comprehensive on-site hazard assessment to identify inefficiencies and turn them into opportunities.



BENCHMARK:
After determining business goals and objectives, we use your current performance metrics as a baseline to help measure Sentinel's impact over time.



IMPLEMENTATION:
A customized safety plan is designed and implemented to improve your operation's cost-performance by reducing risk, injuries and subsequent expenses.



MEASUREMENT:
Sentinel's effectiveness is quantified by comparing new performance data to your baseline, followed by the establishment of your next milestone.



MANAGEMENT:
Upon successful integration of your customized safety plan, our service experts provide ongoing assistance to ensure you get the most from your investment long-term.

Additional Benefits:

- Comprehensive Assessments
- Customized Safety Plans
- On-Site Training
- First-Class Customer Service

GLOVE SIZE CHART

It is crucial to get the glove size right for maximum dexterity.

Here are a few recommendations to help you in finding the right size of gloves you need.

Glove size further to EN 420	Hand (mm)		Glove (mm)
	Palm circumference	Length	Minimum length
6	152	160	220
7	178	171	230
8	203	182	240
9	229	192	250
10	254	204	260
11	279	215	270

COLOR-CODED CUFF

Some styles of SHOWA® gloves have a colour-coded cuff. These cuffs enable the size recognition in the factory and the pairing after washing the gloves.

TESTING PRIOR TO USING

If the glove is too small, it cuts off the blood circulation and restricts the movement of the hand. On the other hand, oversized gloves slip off at the slightest movement and make your handling very imprecise. To be sure of your size and fit, do not hesitate to ask for samples from your SHOWA® distributor.



PLACE YOUR RIGHT HAND ON THE DIAGRAM:

The green line should be between your thumb and index finger.
The size is indicated on the right.

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