



SHOWA®

Always Innovating. Never Imitating.



**6,600**  
EMPLOYEES  
WORLDWIDE

**GLOBAL  
R&D  
INVESTMENT**

**5**

**PRODUCTION FACILITIES AROUND THE GLOBE**

**58** PATENTS OWNED

**100%**  
INTEGRATED  
MANUFACTURING

**1 BRAND**

**EST. 1954**

**SHOWAgroup.com**

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**QR CODE USE**

USE THESE QR CODES  
THROUGHOUT OUR CATALOG  
TO FIND MORE DETAILED  
SPECIFICATIONS FROM  
SHOWA GLOVES WEBSITE



## WE ARE SHOWA

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



ESD



CHEMICAL & LIQUIDS



GENERAL PURPOSE



INSULATED



SINGLE USE



CUT



Strategy & Operations



Production & Manufacturing



Research & Development

# NEW PRODUCT GUIDE AT A GLANCE



264



381



344



374

**MFTPRO™**  
Performance by Design

LEARN FULL DETAILS ON  
PAGE 34



XC510



XC810



AC200



AC800

LEARN FULL DETAILS ON  
PAGES 28



XC500



XC800

LEARN FULL DETAILS ON  
PAGES 31

**DURACoil Alpha™**

Durability in Every Stitch

SHOWA  
**XW300**



LEARN FULL DETAILS ON  
PAGE 46

This new Insulated glove with Cut-resistant inner liner, is not only soft, but cold and cut resistant. Thanks to a improved knitting technology using Acrylic and Kevlar yarn.

SHOWA  
**PyraGrip Technology™**

SHOWA  
**709B**



SHOWA  
**709HV0**



LEARN FULL DETAILS ON  
PAGE 59

PyraGrip's engineered texture not only provides exceptional grip in dry conditions, but also excels in wet environments.

SHOWA  
**7503PF**



TOUCHSCREEN COMPATIBLE



EASY DISPENSE

NEW GLOVE PULL OFF FUNCTION

SafeDoff™ Technology is a textured tab located on the thumb side cuff, designed for safer and faster doffing.

LEARN FULL DETAILS ON  
PAGE 57



SCAN THE QR CODE TO SEE HOW TO USE THE SHOWA'S LATEST SAFEDOFF TECHNOLOGY.

SHOWA  
**GW345**



LEARN FULL DETAILS ON  
PAGE 46

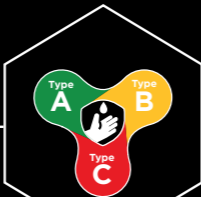
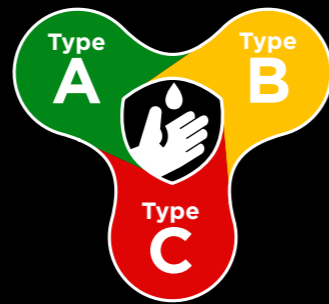


SCAN THE QR CODE AND DISCOVER SHOWA'S (EBT™), ENGINEERED TO MINIMIZE ENVIRONMENTAL IMPACT. LEARN HOW OUR ADVANCED GLOVES CONTRIBUTE TO A MORE SUSTAINABLE FUTURE, WITHOUT SACRIFICING PERFORMANCE.



# KNOW YOU'RE PROTECTED

REINFORCE YOUR DEFENSE WITH THE CHEMREST PROTECTION PLATFORM



**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

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

## FINDING 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.



## ADVANCED PROTECTION AGAINST CHEMICAL HAZARDS

SCAN THE QR CODE TO EXPLORE SHOWA'S CHEMREST SOLUTIONS—DESIGNED TO SAFEGUARD HANDS FROM HARMFUL CHEMICALS, HAZARDOUS SUBSTANCES, AND ABRASIVE SOLVENTS. WITH CUTTING-EDGE MATERIALS AND EXPERT ENGINEERING, WE HELP WORKERS IN HIGH-RISK INDUSTRIES STAY PROTECTED WHILE ENSURING COMPLIANCE AND DURABILITY. STAY SAFE, STAY INFORMED, AND CHOOSE THE RIGHT CHEMICAL PROTECTION!

# SENTINEL BY SHOWA

Precision. Protection. Performance.

Sentinel by SHOWA prevents work-related injuries, optimizes cost performance, and ensures OSHA compliance.

SCAN THE QR CODE TO DISCOVER HOW SENTINEL BY SHOWA ENHANCES WORKPLACE SAFETY WITH REAL-TIME MONITORING AND PREDICTIVE ANALYTICS. OUR 5-PHASE APPROACH HELPS PREVENT HAND INJURIES, OPTIMIZE GLOVE INVENTORY, AND REDUCE COSTS BY UP TO 33%—ENSURING PRECISION, PROTECTION, AND PERFORMANCE FOR YOUR TEAM!



Proven **33%** Cost Savings

## 2021-2022 Injury Facts

270,940	Recordable Hand Injuries
6	Median Days Away From Work
\$19,917	Average Medical Cost: Lacerations/Punctures
\$14,239	Average Indemnity Cost: Lacerations/Punctures
\$34,156	Total Cost Medical + Indemnity



Workers' Compensation Costs - Injury Facts (nsc.org)

## Five-Phase Approach

- 01 Evaluate**  
SHOWA's experts conduct on-site hazard assessment.
- 02 Benchmark**  
After determining business goals and objectives, we use your current performance metrics as a baseline to help measure Sentinel's impact over time.
- 03 Implement**  
A customized safety plan is implemented to improve cost-performance.
- 04 Measure**  
We compare new data to your baseline and establish the next milestone.
- 05 Manage**  
Our experts provide ongoing assistance for maximum return on investment.

# PROTECTING AGAINST A BROAD RANGE OF HAZARDS



SHOWA  
**NSK26**



**CHEMICAL PROTECTION**

- Benefits:**
- Chemical-resistant
  - Forearm protection
  - Flexible
  - Form-fitting
  - Impermeable



**DIAMOND GRIP**

Diamond grip surface texture gives the wearer enhanced grip, to make wet work safer and easier. The ergonomic design maximizes comfort to aid precision.



## DISCOVER OUR CHEMICAL PROTECTION GLOVES

SCAN THE QR CODE TO EXPLORE OUR DURABLE, FLEXIBLE, AND HIGH-PERFORMANCE GLOVES. DESIGNED FOR SUPERIOR SAFETY AND COMFORT, THEY PROVIDE RELIABLE PROTECTION ACROSS VARIOUS INDUSTRIES!



SHOWA

**NSK24**

SIZE | 8/S-11/XL  
LENGTH | 14"  
COATING | Nitrile  
GRIP | Rough



**CHEMICAL PROTECTION**

**SHOWA CN GLOVES** offer robust chemical protection and dexterity through unsupported nitrile construction and a unique grip pattern. They prioritize user comfort and efficiency with easy donning/doffing, moisture absorption, and extended forearm protection.

Available in varying thicknesses and FDA-approved for food handling, they are versatile for diverse industrial and food service needs. Made with our Eco Best Technology, EBT®.

ALL OF CN SERIES GLOVES ARE EBT®



SHOWA

**CN740**

SIZE | 7/S-11/XXL  
LENGTH | 13"  
THICKNESS | 15 mil  
GRIP | Wave Pattern Finish



SHOWA

**CN741**

SIZE | 7/S-11/XXL  
LENGTH | 15"  
THICKNESS | 15 mil  
GRIP | Wave Pattern Finish

**CN SERIES WAVE PATTERN GRIP**



SHOWA

**CN750**

SIZE | 7/S-11/XXL  
LENGTH | 13"  
THICKNESS | 18 mil  
GRIP | Wave Pattern Finish



SHOWA

**CN751**

SIZE | 7/S-11/XXL  
LENGTH | 15"  
THICKNESS | 18 mil  
GRIP | Wave Pattern Finish

POLYMERS



**NITRILE**

**BENEFITS**

- Chemical Resistance
- Oil & Grease Protection
- Durability & Strength
- Forearm Protection
- Enhanced Grip
- Comfort & Dexterity
- Latex-Free
- Easy Donning & Doffing

**CHEMICAL COMPATIBILITY**

- **Solvents** - Acetone, xylene, toluene, and alcohols
- **Oils & Greases** - Petroleum-based oils, lubricants, and diesel fuel
- **Acids & Bases** - Sulfuric acid, hydrochloric acid, and sodium hydroxide
- **Industrial Chemicals** - Pesticides, disinfectants, and cleaning agents



SHOWA

**CS700**

SIZE | 7/S-11/XXL  
LENGTH | 12"  
COATING | Double coated Nitrile  
GRIP | Rough

SHOWA

**CS701**

SIZE | 7/S-11/XXL  
LENGTH | 14"  
COATING | Double coated Nitrile  
GRIP | Rough



SHOWA

**CS710**

SIZE | 7/S-11/XXL  
LENGTH | 12"  
COATING | Double coated Nitrile  
GRIP | Foam

SHOWA

**CS711**

SIZE | 7/S-11/XXL  
LENGTH | 14"  
COATING | Double coated Nitrile  
GRIP | Foam



SHOWA

**CS720**

SIZE | 7/S-11/XXL  
LENGTH | 12"  
COATING | Double coated Nitrile  
GRIP | Rough

SHOWA

**CS721**

SIZE | 7/S-11/XXL  
LENGTH | 14"  
COATING | Double coated Nitrile  
GRIP | Rough

**SHOWA CS GLOVES** offer superior chemical protection and durability through a double-dipped nitrile coating. They provide enhanced grip and control with foam, rough grip options, and an anti-slip design.

Extended cuffs protect the forearm, and oil resistance makes them suitable for various industrial applications. Despite their robust build, they maintain excellent dexterity for precise handling, ensuring increased safety and comfort in demanding environments.



**SHOWA 719**  
 SIZE | 7/S-11/XXL  
 LENGTH | 13"  
 THICKNESS | 11 mil  
 GRIP | Diamond Pattern

**SHOWA 719B**  
 SIZE | 6/XS-11/XXL  
 LENGTH | 13"  
 THICKNESS | 11 mil  
 GRIP | Diamond Pattern

**SHOWA 729**  
 SIZE | 7/S-11/XXL  
 LENGTH | 13"  
 THICKNESS | 15 mil  
 GRIP | Diamond Pattern

**SHOWA 732**  
 SIZE | 7/S-11/XXL  
 LENGTH | 13"  
 THICKNESS | 15 mil  
 GRIP | Diamond Pattern

Cotton Flocked Liner



**SHOWA NSK 26**  
 TOP OF SLEEVE GROMMET FOR SECURE FIT

SIZE | 8/S-11/XL  
 LENGTH | 26"  
 GRIP | Rough

**SHOWA 717**  
 SIZE | 6/XS-11/XXL  
 LENGTH | 11"  
 THICKNESS | 15 mil  
 GRIP | Bisque

**SHOWA 727**  
 SIZE | 6/XS-11/XXL  
 LENGTH | 15"  
 THICKNESS | 15 mil  
 GRIP | Bisque

**SHOWA 730**  
 SIZE | 6/XS-11/XXL  
 LENGTH | 13"  
 THICKNESS | 15 mil  
 GRIP | Bisque

**SHOWA ATLAS 772**  
 TOP OF SLEEVE GROMMET FOR SECURE FIT

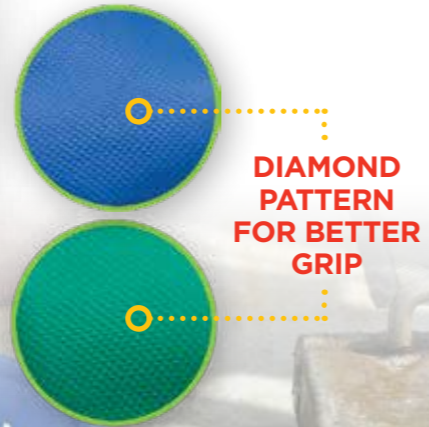
SIZE | 8/M-10/XL  
 LENGTH | 26"  
 GRIP | Rough

**SHOWA 737**  
 SIZE | 9/L-11/XXL  
 LENGTH | 15"  
 THICKNESS | 22 mil  
 GRIP | Bisque

**SHOWA 747**  
 SIZE | 9/L-11/XXL  
 LENGTH | 19"  
 THICKNESS | 22 mil  
 GRIP | Bisque



CHEMICAL PROTECTION





CHEMICAL PROTECTION

SHOWA  
**3415**

SIZE | 8/S-11/XL  
LENGTH | 14"  
GRIP | Rough

SHOWA  
**3416**

ANSI CUT  
**A5**

SIZE | 8/S-11/XL  
LENGTH | 14"  
GRIP | Rough



CIRCUMFERENCE | 34.448"

SHOWA  
**CHM**

Cotton Flocked Liner

SIZE | 7/S-10/XL  
LENGTH | 12"  
THICKNESS | 26 mil  
GRIP | Tractor Tread

SHOWA  
**6731**

Cotton Flannel Liner

TOP OF SLEEVE GROMMET FOR SECURE FIT

SIZE | 10/L  
LENGTH | 31"  
GRIP | Smooth

SHOWA  
**6780**

SIZE | 10/L  
LENGTH | 12"  
GRIP | Smooth

SHOWA  
**6780R**

SIZE | 9/M-10/L  
LENGTH | 12"  
GRIP | Rough

SHOWA  
**6781R**

SIZE | 10/L  
LENGTH | 12"  
GRIP | Etched Rough  
LINER | Insulated cotton jersey liner

SHOWA  
**6781R-06**

SIZE | 10/L  
LENGTH | 18"  
GRIP | Etched Rough  
LINER | Insulated cotton jersey liner

Diameter-7.5" Circumference 23.55"

SHOWA  
**6781R-145**

SIZE | 10/L  
LENGTH | 26"  
GRIP | Etched Rough  
LINER | Insulated cotton jersey liner

Heat-resistant 482°F (250°C)

Diameter-8" Circumference 25.12"

POLYMERS



NEOPRENE

BENEFITS

- Chemical Resistance
- Oil & Grease Protection
- Durability & Strength
- Flexibility & Comfort
- Waterproof & Impermeable
- Temperature Resistant
- Latex-Free

CHEMICAL COMPATIBILITY

- **Acids & Bases** - Sulfuric acid, hydrochloric acid, nitric acid, and sodium hydroxide
- **Alcohol & Solvents** - Methanol, ethanol, hydrogen peroxide, and some ketones.
- **Oil and Petroleum Products** - Gasoline, lubricants, and greases.
- **Oxidizing Agents** - Chlorine, bleach, and hydrogen peroxide.



SHOWA

**6784**

SIZE | 10/L  
LENGTH | 14"  
GRIP | Smooth



SHOWA

**6784R**

SIZE | 9/M-10/L  
LENGTH | 14"  
GRIP | Rough



SHOWA

**6797**

SIZE | 10/L  
LENGTH | 17"  
GRIP | Smooth



SHOWA

**6797R**

SIZE | 10/L  
LENGTH | 17"  
GRIP | Rough



CHEMICAL PROTECTION



SHOWA

**5122**

SIZE | 10/L  
LENGTH | 10"  
GRIP | Smooth

SHOWA

**7712R**

SIZE | 10/L  
LENGTH | 12"  
gauntlet  
GRIP | Rough



SHOWA

**7710R**

SIZE | 10/L  
LENGTH | 10"  
gauntlet  
GRIP | Rough



SHOWA

**7714R**

SIZE | 10/L  
LENGTH | 14"  
gauntlet  
GRIP | Rough



POLYMERS



PVC

BENEFITS

- Barrier Protection
- Chemical Resistant
- Abrasion Resistant
- Durable & Versatile
- Waterproof

CHEMICAL COMPATIBILITY

- **Acids** - Moderate resistance to weak acids like hydrochloric acid, sulfuric acid, and acetic acid.
- **Alkalis** - PVC gloves are resistant to some bases, including sodium hydroxide (caustic soda) and potassium hydroxide.
- **Greases and Oils** - They are effective in handling oils, greases, and fats, making them suitable for automotive, mechanical, and food handling industries.
- **Solvents** - PVC gloves are resistant to certain solvents, like alcohols (methanol, ethanol), but may not provide protection against stronger solvents like acetone or xylene.
- **Waxes** - PVC gloves offer protection when handling waxes and paraffin products



SHOWA ATLAS®

**620**

SIZE | 8/M-11/XXL  
LENGTH | 12"  
GRIP | Rough



SHOWA

**BO700**

SIZE | 7/S-10/XL  
LENGTH | 12"  
THICKNESS | 12 mil  
GRIP | Embossed



SHOWA ATLAS®

**KV660**

SIZE | 8/M-11/XXL  
LENGTH | 12"  
GRIP | Rough



ANSI CUT  
A2

SHOWA

**660ESD**

SIZE | 9/L-10/XL  
LENGTH | 12"  
GRIP | Rough



SHOWA ATLAS®

**660**

SIZE | 8/M-11/XXL  
LENGTH | 12"  
GRIP | Rough



SHOWA ATLAS®

**640**

SIZE | 8/M-10/XL  
LENGTH | 26"  
GRIP | Rough



POLYMERS



BUTYL

BENEFITS

- Excellent Chemical Resistant
- High Permeation Resistance
- Durability
- Elasticity & Comfort
- Temperature Resistant
- Low Permeability to Gases & Vapors
- Latex free

CHEMICAL COMPATIBILITY

- **Esters and Alcohols** - Butyl gloves are resistant to many esters and alcohols, including ethanol, methanol, and isopropanol.
- **Aromatic Hydrocarbons** - These gloves offer good resistance to aromatic hydrocarbons such as benzene, toluene, and xylene, which are often found in industrial environments.
- **Oils and Fuels** - Butyl gloves offer protection against oils, fuels, and petroleum products, which makes them useful in automotive, manufacturing, and oil & gas industries.
- **Oxidizing Agents** - They are resistant to certain oxidizing agents like hydrogen peroxide and sodium hypochlorite.
- **Pesticides and Herbicides** - Butyl gloves provide protection when handling pesticides, herbicides, and other agricultural chemicals.

SHOWA

**874/R**

SIZE | 7/S-11/XXL  
LENGTH | 14"  
THICKNESS | 14 mil  
GRIP | 874-Smooth  
874R-Rough



SHOWA

**875/R**

SIZE | 7/S-11/XXL  
LENGTH | 14"  
THICKNESS | 14 mil  
GRIP | 875-Smooth  
875R-Rough



SHOWA

**878/R**

SIZE | 878 | 8/M-11/XXL  
SIZE | 878R | 7/S-11/XXL  
LENGTH | 14"  
THICKNESS | 28 mil  
GRIP | 878-Smooth  
878R-Rough



SHOWA

**879/R**

SIZE | 8/M-11/XXL  
LENGTH | 14"  
THICKNESS | 28 mil  
GRIP | 879-Smooth  
879R-Rough



POLYMERS

VITON®

**BENEFITS**

- Chemical Resistant
- Temperature Resistance
- Durability & Strength
- Puncture Resistant
- Elastic & Flexibility
- Low Vapor Permeability
- Latex free

**CHEMICAL COMPATIBILITY**

- **Aromatic Hydrocarbons** - Like benzene, toluene, xylene, and other similar chemicals, which are often encountered in industrial environments
- **Oils and Fuels** - Handling oils, greases, lubricants, and petroleum-based products, which makes them useful in automotive, industrial, and oil & gas sectors
- **Aldehydes** - Formaldehyde and acetaldehyde, which are commonly used in various industrial and laboratory applications.
- **Oxidizing Agents** - Offer resistance to some strong oxidizing agents such as hydrogen peroxide, chlorine, and ozone.
- **Pesticides and Herbicides** - Offer protection against pesticides, herbicides, and other agricultural chemicals.



SHOWA

890

SIZE | 8/M-10/XL  
LENGTH | 14"  
THICKNESS | 28 mil  
GRIP | Smooth



SHOWA

891

SIZE | 9/L-11/XXL  
LENGTH | 14"  
THICKNESS | 28 mil  
GRIP | Smooth



SHOWA

892

SIZE | 7/S-11/XXL  
LENGTH | 12"  
THICKNESS | 12 mil  
GRIP | Smooth



SHOWA

893

SIZE | 7/S-10/XL  
LENGTH | 12"  
THICKNESS | 12 mil  
GRIP | Smooth



**CHEMICAL PROTECTION**

VITON is a registered trademark of DuPont.

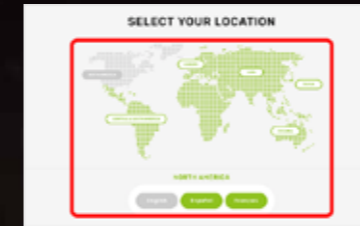
VISIT CHEMREST.COM TO FIND THE RIGHT GLOVE

**KNOW YOU'RE PROTECTED**

**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.

**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 many chemicals or chemical mixes 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](http://SHOWAgroup.com)

# DURACOIL ALPHA™ PROVIDES THE STAYING POWER YOU NEED TO ENDURE THE NEXT CHALLENGE.

## DURACOIL Alpha™

Durability in Every Stitch



By building on our legacy of excellence, the DURACOIL Alpha™ line offers an enhanced solution to endure the toughest of tasks.

At SHOWA, we are committed to delivering the solutions people need to achieve their best. This DURACOIL Alpha™ evolution incorporates the best of our legacy gloves and invaluable feedback we've received over the years.



CUT RESISTANT



AC200



AC800



XC510



XC810



### S-TEX®

The DURACOIL® and S-TEX® product lines are designed with an enhanced cut level, giving users more options for hand protection using the gloves they already know and love.



XC500



XC800



Durability is key for the end user to be able to complete the task at hand.



### PROTECT YOUR HANDS WITH CUT-RESISTANT GLOVES

SCAN THE QR CODE TO EXPLORE OUR WIDE RANGE OF CUT-RESISTANT GLOVES, DESIGNED FOR ULTIMATE SAFETY, FLEXIBILITY, AND COMFORT. WHETHER YOU'RE IN CONSTRUCTION, MANUFACTURING, OR DIY, FIND THE PERFECT GLOVES TO PROTECT YOUR HANDS FROM CUTS AND LACERATIONS!



CUT RESISTANT

**PVC**

**SHOWA KV660**

**ANSI CUT A2**

**SIZE** | 8/M-11/XXL  
**LINER** | Seamless  
**LENGTH** | 12"  
**GRIP** | Rough

DuPont™ Kevlar.

**Nitrile**

**SHOWA 7965R**

**ANSI CUT A3**

**SIZE** | 9/M & 10/L  
**LENGTH** | 10-12"  
**LINER** | Seamless  
**GRIP** | Rough

**Natural Rubber Latex**

**SHOWA 68NFW**

**ANSI CUT A3**

**SIZE** | 10/L  
**LINER** | Cotton  
**GRIP** | Rough

**Polyurethane**

**SHOWA 540**

**ANSI CUT A2**

**SIZE** | 6/S-10/XXL  
**LINER** | 13 gauge seamless knit HPPE  
**GRIP** | Foam PU

**Polyurethane**

**SHOWA 541**

**ANSI CUT A2**

**SIZE** | 6/S-10/XXL  
**LINER** | 13 gauge seamless knit HPPE  
**GRIP** | Foam PU

**Nitrile**

**SHOWA 545**

**ANSI CUT A2**

**SIZE** | 6/S-9/XL  
**LINER** | 13 gauge seamless knit HPPE  
**GRIP** | Rough

**Foam Nitrile**

**SHOWA DURACOIL® 576**

**ANSI CUT A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Foam

**Foam Nitrile**

**SHOWA DURACOIL® 577**

**ANSI CUT A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Foam



**Foam Polyurethane**

**SHOWA DURACOIL® 546**

**ANSI CUT A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Foam PU

**Foam Polyurethane**

**SHOWA DURACOIL® 546W**

**ANSI CUT A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Foam PU

**SHOWA DURACOIL® 546X**

**ANSI CUT A4**

**SIZE** | 6/S-9/XL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | N/A Uncoated

**Natural Rubber Latex**

**SHOWA DURACOIL® 346**

**ANSI CUT A4**

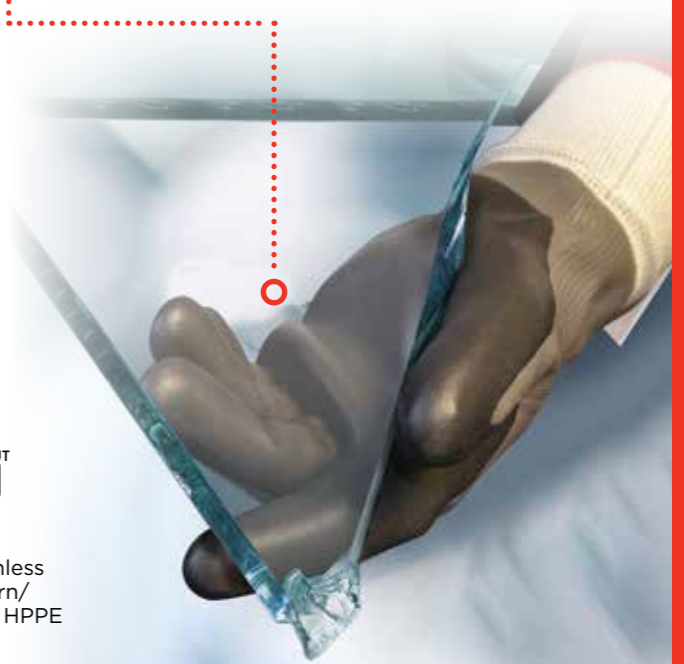
**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Rough

**Foam Nitrile**

**SHOWA DURACOIL® 386**

**ANSI CUT A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless engineered yarn/ polyester with HPPE  
**GRIP** | Embossed Foam



Nitrile

SHOWA ATLAS®  
**KV350**  
ANSI CUT **A3**  
DuPont™ Kevlar.  
SIZE | 7/S-10/XL  
LINER | 10-gauge seamless  
GRIP | Rough



Natural Rubber

SHOWA ATLAS®  
**KV300**  
ANSI CUT **A3**  
DuPont™ Kevlar.  
SIZE | 7/S-11/XXL  
LINER | 10-gauge seamless  
GRIP | Rough




 CUT RESISTANT

SHOWA  
**8113**  
ANSI CUT **A3**  
SIZE | 6/XS-11/XXL  
LINER | 13-gauge seamless Thermax® lined knit with AlphaSan®  
GRIP | N/A Uncoated



PVC Dots

SHOWA  
**8113C**  
ANSI CUT **A3**  
SIZE | 6/XS-10/XL  
LINER | 13-gauge seamless Thermax® lined knit with AlphaSan®  
GRIP | Dots PVC dots



SHOWA  
**S237-16T**  
ANSI CUT **A3**  
SIZE | 9/L-10XL  
LINER | 7-gauge Seamless engineered fiber with HPPE  
LENGTH | 16" sleeve  
T= Thumb loop



SHOWA  
**S8115-16/T**  
ANSI CUT **A4**  
SIZE | 8/M-10/XL  
LINER | 15-gauge seamless knit HPPE  
LENGTH | 16" sleeve  
T= Thumb loop



Foam Nitrile

SHOWA  
**230**  
ANSI CUT **A4**  
SIZE | 7/S-11/XXL  
LINER | 10-gauge with HPPE reinforced  
GRIP | Textured



Foam Nitrile

SHOWA  
**234**  
ANSI CUT **A4**  
SIZE | 6/S-10/XXL  
LINER | 15-gauge seamless knit spandex/engineered yarn with HPPE  
GRIP | Smooth



ARC FLASH

Made with premium materials to enhance arc flash protection from arc flash shock and burns.  
Level 2 ARC flash rating to provide protection in a wide array of conditions where arc hazard should be considered.

Sponge Neoprene

SHOWA  
**240**  
ANSI CUT **A4**  
SIZE | 7/S-11/XXL  
LINER | Seamless modacrylic/fiberglass knit, 13 gauge  
GRIP | Smooth



SHOWA  
**234X**  
ANSI CUT **A4**  
SIZE | 6/S-10/XXL  
LINER | 15-gauge seamless knit spandex/engineered yarn with HPPE  
GRIP | N/A Uncoated



Foam Nitrile

SHOWA  
**430**  
ANSI CUT **A4**  
SIZE | 7/S-11/XXL  
LINER | 10-gauge seamless knit  
GRIP | Smooth



SHOWA  
**S8115-10/T**  
ANSI CUT **A4**  
SIZE | 8/M-10/XL  
LINER | 15-gauge seamless knit HPPE  
LENGTH | 10" sleeve  
T= Thumb loop



Sponge Nitrile

SHOWA  
**4561**  
ANSI CUT **A4**  
DuPont™ Kevlar.  
SIZE | 6/S-10/XXL  
LINER | 15-gauge engineered liner  
GRIP | Smooth




SHOWA  
**4561X**  
ANSI CUT **A4**  
DuPont™ Kevlar.  
SIZE | 7/M-10/XXL  
LINER | 15-gauge engineered liner  
GRIP | N/A Uncoated



**DURACoil Alpha™**  
Durability in Every Stitch

Polyurethane Palm



**SHOWA DURACoil®**  
**XC510**

ANSI CUT **A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 18-gauge seamless knit HPPE  
**GRIP** | Foam PU



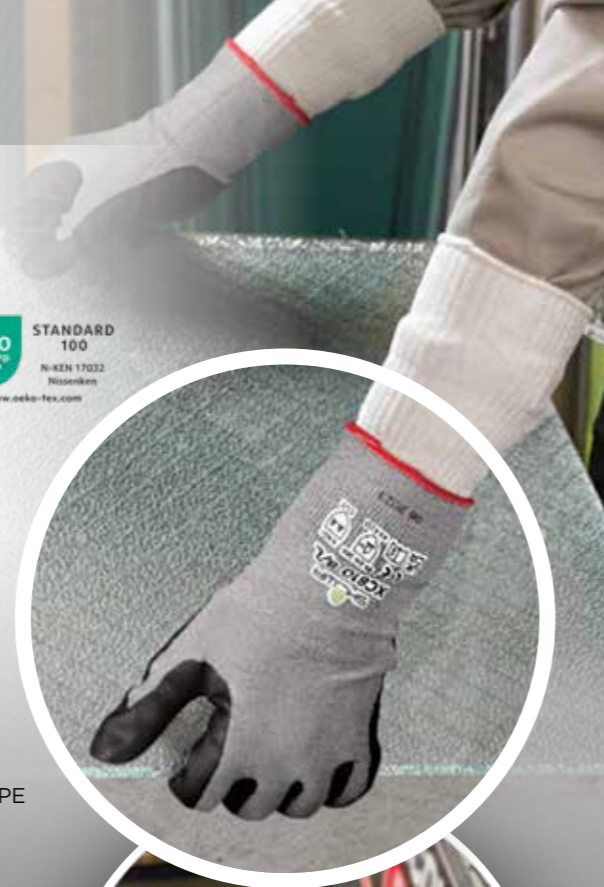
Foam Nitrile



**SHOWA DURACoil®**  
**XC810**

ANSI CUT **A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 18-gauge seamless knit HPPE  
**GRIP** | Embossed Foam



**CUT RESISTANT**

**SHOWA DURACoil®**

**AC200**



ANSI CUT **A4**

**SIZE** | 6/S-9/XL  
**LINER** | 18-gauge seamless knit with HPPE anti-static dissipative yarn  
**GRIP** | N/A Uncoated



**DURACoil Alpha™**  
Durability in Every Stitch

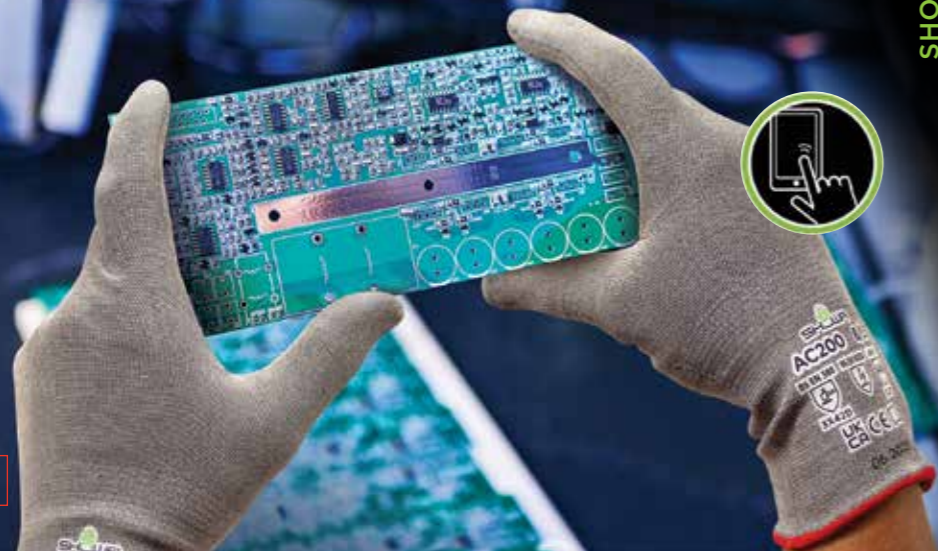
Mirco Foam Nitrile



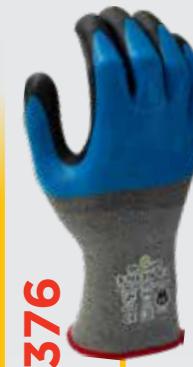
**SHOWA DURACoil®**  
**AC800**

ANSI CUT **A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 18-gauge seamless knit with HPPE anti-static dissipative yarn  
**GRIP** | Embossed Foam



3/4 Coated Nitrile + Foam Nitrile



**SHOWA S-TEX®**  
**376**

ANSI CUT **A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit stainless steel/polyester  
**GRIP** | Foam

Flat Nitrile

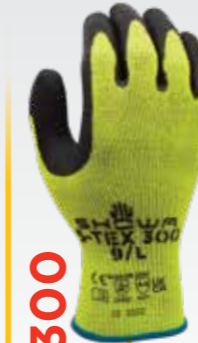


**SHOWA S-TEX®**  
**350**

ANSI CUT **A4**

**SIZE** | 7/S-10/XL  
**LINER** | 10-gauge seamless knit stainless steel/polyester  
**GRIP** | Smooth

Natural Rubber



**SHOWA S-TEX®**  
**300**

ANSI CUT **A4**

**SIZE** | 7/S-10/XL  
**LINER** | 10-gauge seamless knit stainless steel/polyester  
**GRIP** | Rough

Fully Coated Nitrile + Foam Nitrile



**SHOWA S-TEX®**  
**377**

ANSI CUT **A4**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit stainless steel/polyester  
**GRIP** | Foam

Fully coated Nitrile + Foam Nitrile



**SHOWA S-TEX®**  
**377SC**

ANSI CUT **A4**

**SIZE** | 7/M-10/XXL  
**LINER** | 13-gauge seamless knit stainless steel/polyester with a safety cuff  
**GRIP** | Foam

4in. cuff length



**SHOWA 910** ANSI CUT **A4**

**SIZE** | 6/XS-11/XXL  
**LINER** | 10-gauge seamless knit HPPE  
**GRIP** | N/A Uncoated

**PVC Dots**

**SHOWA 910C** ANSI CUT **A4**

**SIZE** | 6/XS-10/XL  
**LINER** | 10-gauge seamless knit HPPE  
**GRIP** | Dots

**Neoprene**

**SHOWA 3416** ANSI CUT **A5**

**SIZE** | 8/S-11/XL  
**LENGTH** | 14"  
**LINER** | 13-gauge seamless knit HPPE  
**GRIP** | Rough

**Foam Nitrile**

**SHOWA S-TEX® 581** ANSI CUT **A5**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit stainless steel/polyester  
**GRIP** | Embossed Foam

**Polyurethane**

**SHOWA S-TEX® XC500** ANSI CUT **A5**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with stainless steel and HPPE  
**GRIP** | Rough

**Foam Nitrile**

**SHOWA S-TEX® XC800** ANSI CUT **A5**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with stainless steel and HPPE  
**GRIP** | Embossed Foam

**SHOWA 8110** ANSI CUT **A5**

**SIZE** | 6/XS-10/XL  
**LINER** | 10-gauge seamless knit HPPE  
**GRIP** | N/A Uncoated

**SHOWA 8127** ANSI CUT **A7**

**SIZE** | 6/XS-10/XL  
**LINER** | 7-gauge seamless knit HPPE  
**GRIP** | N/A Uncoated

**Natural Rubber**

**SHOWA S-TEX® 303** ANSI CUT **A8**

**SIZE** | 7/S-10/XL  
**LINER** | Seamless knit stainless steel/polyester  
**GRIP** | Rough

DuPont™ **Kevlar®**

**Sponge Nitrile**

**SHOWA 257** ANSI CUT **A7**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit HPPE  
**GRIP** | Sponge

**SHOWA 257X** ANSI CUT **A7**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge plated-knit spandex/para-aramid/stainless steel  
**GRIP** | N/A Uncoated



CUT RESISTANT



# MFT PRO™

Performance by Design

SHOWA'S MFT PRO™ gloves are lightweight, feature a first-of-its-kind microfiber technology (MFT). These gloves offer comfort, moisture wicking, breathability and enhanced gripping power that makes them exceptional in the hand protection industry. With four specialized styles, the MFT PRO™ SERIES offers a glove for every challenge.



## VERSATILE PROTECTION FOR EVERY TASK

SCAN THE QR CODE TO EXPLORE SHOWA'S PREMIUM GENERAL-PURPOSE GLOVES—DESIGNED FOR COMFORT, DURABILITY, AND ALL-DAY PROTECTION. WHETHER IN HEALTHCARE, EDUCATION, OR INDUSTRIAL WORK, FIND THE PERFECT FIT FOR YOUR NEEDS!



## GENERAL PURPOSE

- Benefits:**
- Reduced hand fatigue
  - Enhanced gripping power
  - Moisture wicking
  - Maximum breathability
  - Ultra-lightweight

## PERFORMANCE BY DESIGN



Foam Nitrile



**SHOWA**  
**380**

**SIZE** | 6/S-9/XL  
**LINER** | 13-gauge seamless knit nylon  
**GRIP** | Embossed Foam



GENERAL PURPOSE

13-gauge engineered microfiber seamless knit liner designed to resist wear and tear while keeping hands safe from harsh environments.



Foam Polyurethane



**SHOWA MFT Pro™**  
**264**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with Microfiber and nylon yarn  
**GRIP** | Foam PU

Foam Nitrile



**SHOWA MFT Pro™**  
**381**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit engineered Microfiber  
**GRIP** | Embossed Foam

Natural Rubber



**SHOWA MFT Pro™**  
**344**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with Microfiber and nylon yarn  
**GRIP** | Rough

Flat Nitrile



**SHOWA MFT Pro™**  
**374**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with Microfiber and nylon yarn  
**GRIP** | Smooth

Foam Nitrile



**SHOWA**  
**383**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit EBT® polyester  
**GRIP** | Embossed Foam



Flat Nitrile



**SHOWA**  
**4500**

**SIZE** | 6/XS-10/XL  
**LINER** | 13-gauge seamless knit nylon  
**GRIP** | Smooth



Flat Nitrile



**SHOWA ATLAS®**  
**350**

**SIZE** | 7/S-10/XL  
**LINER** | 10-gauge seamless knit Polyester/Cotton  
**GRIP** | Smooth

Flat Nitrile



**SHOWA ATLAS®**  
**370B**

**SIZE** | 6/S-10/XXL  
**LINER** | Seamless knit nylon  
**GRIP** | Smooth

Nitrile + Nitrile foam



**SHOWA**  
**377IP**

**SIZE** | 7/M-10/XXL  
**LINER** | 13-gauge seamless knit Polyester/nylon  
**GRIP** | Foam

IMPACT RESISTANT FEATURE

Flat Nitrile



**SHOWA ATLAS®**  
**370W**

**SIZE** | 6/S-9/XL  
**LINER** | seamless knit nylon  
**GRIP** | Smooth

Nitrile + Nitrile foam



**SHOWA**  
**376**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit Polyester/nylon  
**GRIP** | Foam

Nitrile + Nitrile foam



**SHOWA**  
**377**

**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit Polyester/nylon  
**GRIP** | Foam

SHOWA

Nitrile coating

4000/P



**SIZE** | 4000/8/S-10/L  
**SIZE** | 4000P/8/S-10/L  
**LINER** | Cotton  
**GRIP** | Smooth  
 4000/fully  
 4000P/3/4

SHOWA

Nitrile coating

7000P



**SIZE** | 8/S-10/L  
**LINER** | Cotton Jersey  
**GRIP** | Smooth  
 7000P/3/4

SHOWA

Nitrile coating

7000/R



**SIZE** | 7000/8/S-10/L  
**SIZE** | 7000R/10/L  
**LINER** | Cotton Jersey  
**GRIP** | Smooth  
 7000/Smooth  
 7000R/Rough

Nitrile coating

7066/R



**SIZE** | 8/S-10/L  
**LINER** | Cotton Jersey  
**GRIP** | 7066/Smooth  
 7066R/Rough

SHOWA

Nitrile coating

7166/R



**SIZE** | 10/L  
**LINER** | Cotton Jersey  
**GRIP** | 7166/Smooth  
 7166R/Rough



GENERAL PURPOSE

# THE '94 ORIGINAL SHOWA ATLAS® 300

## BENEFITS

- Seamless knit
- Extra grip
- Form-fitting
- Increased dexterity
- Puncture-resistant
- Machine washable

**SIZE** | 7/S-11/XXL

**LINER** | 10-gauge  
 seamless knit  
 Polyester/  
 Cotton

**GRIP** | Rough

Natural  
 Rubber Latex  
 Palm coating



## BUILT TO LAST:

30 YEARS  
 LATER, STILL  
 LEADING THE WAY  
 WITH ENDURING  
 INNOVATION

# BREATHEX FOAM TECHNOLOGY™

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



Natural Rubber + Foam Natural Rubber

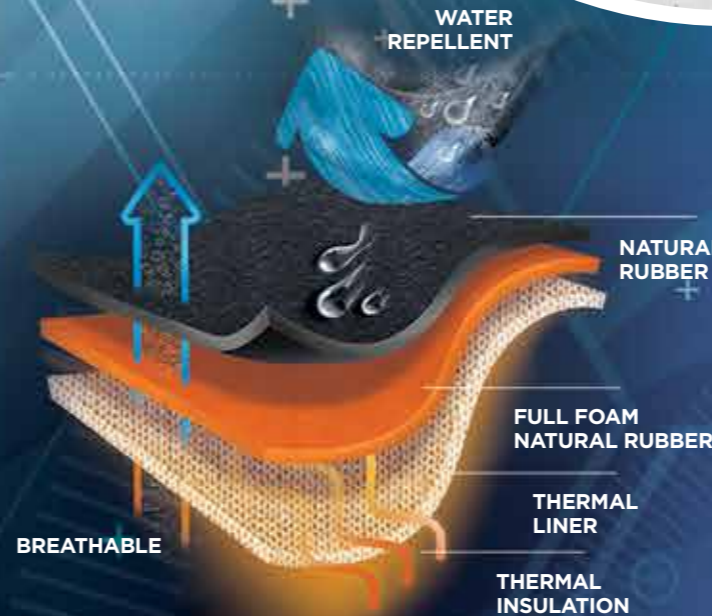


**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit nylon/polyester  
**GRIP** | Rough



## ADDITIONAL BENEFITS

- Thermal Insulation: Keeps hands warm and dry, enhancing long work periods.
- Cold Protection: Aerated material traps warm air, reducing cold conduction.
- Orange color of 406 enhances safety in low light conditions.



Natural Rubber + Foam Natural Rubber



**SIZE** | 7/M-10/XXL  
**LINER** | Seamless knit Nylon/Insulated Acrylic, Nylon liner

**GRIP** | Rough

Fluorescent, Dual Layer

Natural Rubber + Foam Natural Rubber



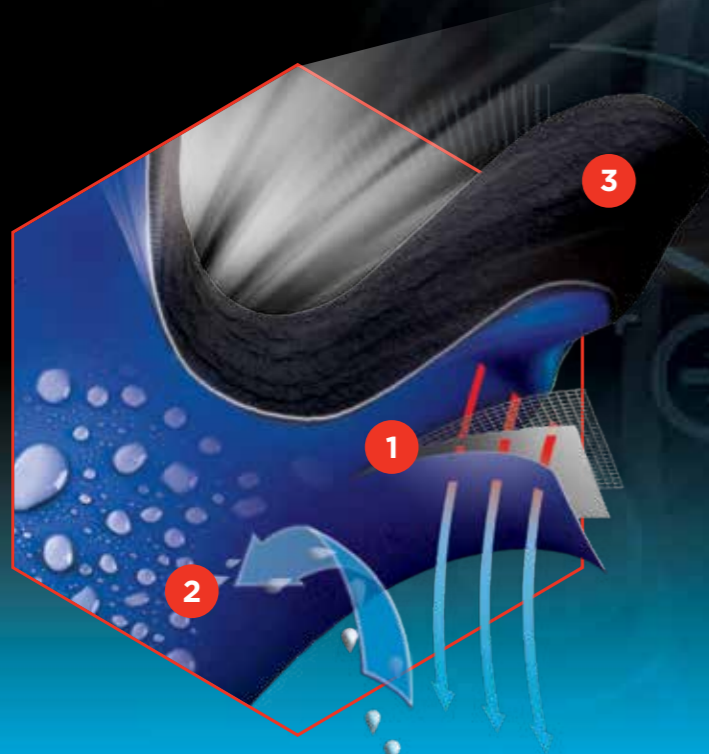
ANSI CUT A5

**SIZE** | 7/M-10/XXL  
**LINER** | Outer: 13G Nylon, Polyester  
 Inner: 7G Acrylic, Kevlar  
 Stainless steel

**GRIP** | Rough

## HOW DOES IT WORK?

- 1 Breathable: Aerated foam allows warm air to escape, reducing perspiration.
- 2 Liquid Resistant: Full foam coating keeps hands dry by preventing liquid penetration.
- 3 Extra natural rubber coating on Enhanced Grip: Extra natural rubber coating on the palms and fingers ensures superior grip and dexterity.



## GENERAL PURPOSE

Natural Rubber Latex



**SHOWA ATLAS®**  
**305**

**SIZE** | 8/M-10/XL  
**LINER** | 10-gauge seamless knit Polyester/Cotton  
**GRIP** | Rough 3/4 coating



Natural Rubber Latex



**SHOWA ATLAS®**  
**317**

**SIZE** | 7/S-10/XL  
**LINER** | 10-gauge seamless knit Polyester  
**GRIP** | Rough

Natural Rubber Latex



**SHOWA ATLAS®**  
**330**

**SIZE** | 7/S-10/XL  
**LINER** | 10-gauge seamless knit Polyester/cotton  
**GRIP** | Rough

Natural Rubber Latex



**SHOWA**  
**341**

**SIZE** | 6/S-9/XL  
**LINER** | 13-gauge seamless knit nylon/polyester  
**GRIP** | Rough

GENERAL PURPOSE



BENEFITS

- Improved coating for enhanced grip
- Puncture and abrasion-resistant
- 21 CFR 177.2600

Natural Rubber Latex



**SHOWA**  
**67NFW**

**SIZE** | 10/L  
**LINER** | Cotton  
**GRIP** | Rough

14 in. gauntlet

Natural Rubber Latex



**SHOWA**  
**65NFW**

**SIZE** | 9/M-11/XL  
**LINER** | Cotton  
**GRIP** | Rough

12 in. gauntlet

Natural Rubber Latex



**SHOWA**  
**66NFW**

**SIZE** | 10/L  
**LINER** | Cotton  
**GRIP** | Rough

Safety cuff

Natural Rubber Latex



**SHOWA**  
**99NFWPCP**

**SIZE** | 9/M-11/XL  
**LINER** | Cotton  
**GRIP** | Smooth

4 in. Safety cuff, reinforced palm patch

Natural Rubber Latex



**SHOWA**  
**99NFW**

**SIZE** | 10/L  
**LINER** | Cotton  
**GRIP** | Rough

4 in. Safety cuff

Natural Rubber Latex



**SHOWA**  
**66NF**

**SIZE** | 10/L  
**LINER** | Cotton  
**GRIP** | Smooth

Safety cuff





PVC

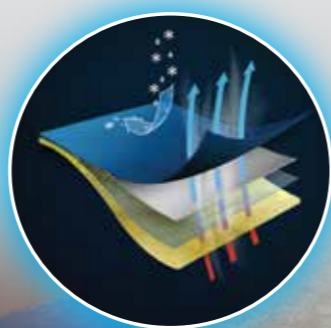


SHOWA

962

SIZE | 8/S-11/XL  
LINER | Cotton jersey liner  
GRIP | Rough

TEMRES® TECHNOLOGY  
ENABLES OUR GLOVES TO BE  
BREATHABLE AND WATERPROOF.



GENERAL PURPOSE

PVC



SHOWA

600

SIZE | 7/S-10/XL  
LINER | Seamless knit cotton liner  
GRIP | Rough

Polyurethane + Nitrile



SHOWA TEMRES®

281

SIZE | 7/S-11/XXL  
LINER | Nylon liner  
GRIP | Micro-Rough Nitrile



Polyurethane

SHOWA

B0500W



SIZE | 6/S-10/XXL  
LINER | 13-gauge seamless knit white nylon  
GRIP | Rough

Polyurethane

SHOWA

B0500B



SIZE | 6/S-10/XXL  
LINER | 13-gauge seamless knit black nylon  
GRIP | Rough

Polyurethane Fingertips

SHOWA

B0600



SIZE | 6/S-9/XL  
LINER | 13-gauge seamless knit white nylon  
GRIP | Rough fingertips

Polyurethane Foam

SHOWA

A0622



SIZE | 6/S-9/XL  
LINER | 13-gauge seamless knit conductive yarn  
GRIP | Rough

Foam Nitrile

SHOWA

AP800

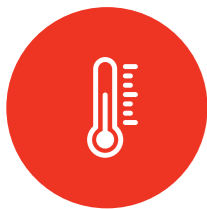


SIZE | 6/S-10/XXL  
LINER | 13-gauge seamless knit with Microfiber polyester, static dissipative yarn  
GRIP | Embossed Foam





SHOWA  
GW345



### INSULATED GLOVES

ANSI CUT  
A5

*Insulated  
Cut-resistant  
gloves for the  
construction  
industry.*

SHOWA

XW300



### STAY WARM AND PROTECTED WITH OUR COLD WEATHER GLOVES

SCAN THE QR CODE TO EXPLORE OUR RANGE OF COLD WEATHER GLOVES WITH TEMRES® TECHNOLOGY, OFFERING EXTREME PROTECTION AGAINST THE COLD, WHILE MAINTAINING FLEXIBILITY AND COMFORT FOR ANY JOB IN FREEZING CONDITIONS!



SHOWA TEMRES®

282-02



Special  
Drawcord  
Feature

Polyurethane  
coating

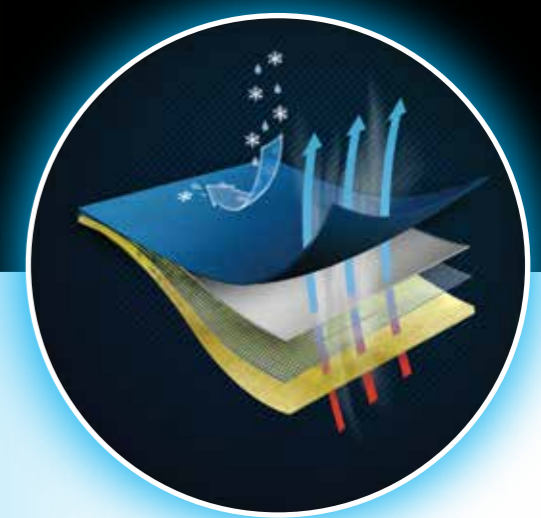
SIZE | 8/M-11/XXL  
LINER | Fleece lining  
LENGTH | 13"  
GRIP | Rough  
Fixed  
insulated  
acrylic

- Thermal insulation
- Water-resistant
- Cold Protection
- Extended cuff with drawcord
- Side release buckle
- Polyurethane coating
- Breathable

## PROTECTION FROM THE ELEMENTS

The name TEMRES® comes from a combination of the Japanese words Te, which means "hand", and Murezu meaning "no humidity". 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. On the other hand, it is even more difficult to achieve good breathability in fully coated gloves while maintaining oil or water resistance.



**Nitrile/Nitrile foam**

**SHOWA**  
**477**



**SIZE** | 7/M-10/XXL  
**LINER** | Seamless knit Polyester/Nylon/Insulated Acrylic liner  
**GRIP** | Foam

**Natural Rubber Latex**

**SHOWA ATLAS®**  
**451**



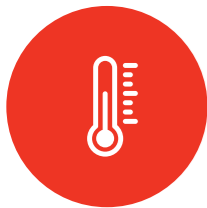
**SIZE** | 7/S-10/XL  
**LINER** | Seamless knit Acrylic/Cotton/Polyester liner  
**GRIP** | Rough

**Natural Rubber Latex**

**SHOWA ATLAS®**  
**GW345**



**SIZE** | 7/M-10/XXL  
**LINER** | Seamless knit Acrylic/Cotton/Polyester liner  
**GRIP** | Rough



**INSULATED GLOVES**

**COLD PROTECTION**

**Polyurethane**

**SHOWA TEMRES®**  
**282**



**Ergonomic, Waterproof TEMRES® Technology**

**SIZE** | 8/M-11/XXL  
**LINER** | Seamless knit Nylon/Insulated Acrylic, liner  
**LENGTH** | 10.8"  
**GRIP** | Rough

**Natural Rubber + Foam Natural Rubber**

**SHOWA**  
**XW300**



**SIZE** | 7/M-10/XXL  
**LINER** | Outer: 13G Nylon, Polyester Inner: 7G Acrylic, Kevlar Stainless steel  
**GRIP** | Rough  
**ANSI CUT A5**

**Full PVC +**

**SHOWA ATLAS®**  
**460**



**Forearm Protection**

**SIZE** | 8/M-10/XL  
**LINER** | Cotton with acrylic lining  
**LENGTH** | 11.8"  
**GRIP** | Rough

**Full PVC +**

**SHOWA**  
**495**



**Forearm Protection**

**SIZE** | 8/M-10/XL  
**LINER** | Cotton with removable acrylic liner  
**LENGTH** | 11.8"  
**GRIP** | Rough

**These Cold Weather Gloves Protect up to -4°F (-20°C)**



Sponge Neoprene



SHOWA

240

ANSI CUT  
A4

SIZE | 7/S-11/XXL

LINER | Seamless modacrylic/  
fiberglass knit,  
13 gauge

GRIP | Smooth

ARC FLASH

Made with premium materials to enhance arc flash protection from arc flash shock and burns.

Level 2 ARC flash rating to provide protection in a wide array of conditions where arc hazard should be considered.



HEAT PROTECTION



INSULATED GLOVES



Spray Coated Neoprene



SHOWA

8814

SIZE | 7/S-10/XL  
LENGTH | 14"  
GRIP | Rough

Neoprene



Heat-resistant  
482°F  
(250°C)

Diameter-8"  
Circumference  
25.12"

SHOWA

6781R-145

SIZE | 10/L  
LENGTH | 26"  
GRIP | Etched  
Rough

LINER | Insulated cotton  
jersey liner

14" sewn on nitrile  
insulated sleeve

Neoprene



Diameter-7.5"  
Circumference  
23.55"

Heat-resistant  
482°F  
(250°C)

SHOWA

6781R-06

SIZE | 10/L  
LENGTH | 18"  
GRIP | Etched  
Rough

LINER | Insulated cotton  
jersey liner

6" sewn on nitrile  
insulated sleeve

Neoprene



SHOWA

6781R

SIZE | 10/L  
LENGTH | 12"  
GRIP | Etched  
Rough

LINER | Insulated cotton  
jersey liner

# ANTI-STATIC

## PROTECT YOUR HANDS FROM ANTI-STATIC INJURIES

It is essential to be protected while working in statically charged environments.

Manufacturing industries such as aerospace and automotive should not overlook the perils of electrostatic discharge (ESD). Gas explosions and intergrated circuit failures cripple business operations and even cause fatalities.

For this reason, ESD Protected Areas (EPAs) require antistatic gloves in both handling and assembly processes. The gloves protect the worker's hands while shielding products and components for getting contaminated.



## ANTI-STATIC

### THE RISKS OF ELECTRO-STATIC DISCHARGE

SHOWA's anti-static protection gloves are your hands' PPE solution in a statically charged work environment. All of our antistatic gloves follow surface resistivity standards. This feature makes our gloves the preferred choice in industries such as aerospace, automotive, IT, and electronic cleanroom environments.

Production operations that involve intricate work with circuit boards or handling heavy equipment in a hazardous environment are just some of the conditions sensitive to static discharge. Don't wait for a disaster to happen at your site. Choose SHOWA anti-static protection gloves to protect yourself against ESD injury.



## What is ESD?

Electrostatic discharge (ESD) is a sudden and momentary flow of electric current between two electrically charged objects caused by contact, an electrical short or dielectric breakdown.

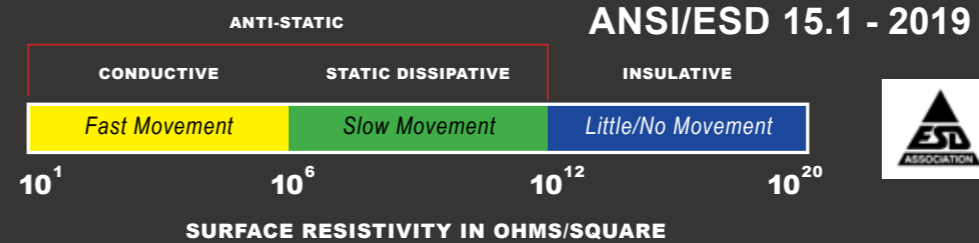
## How to prevent ESD?

Change the direction of the electrostatic charge (flow of electrons) migration to go into the ground instead of sensitive areas.

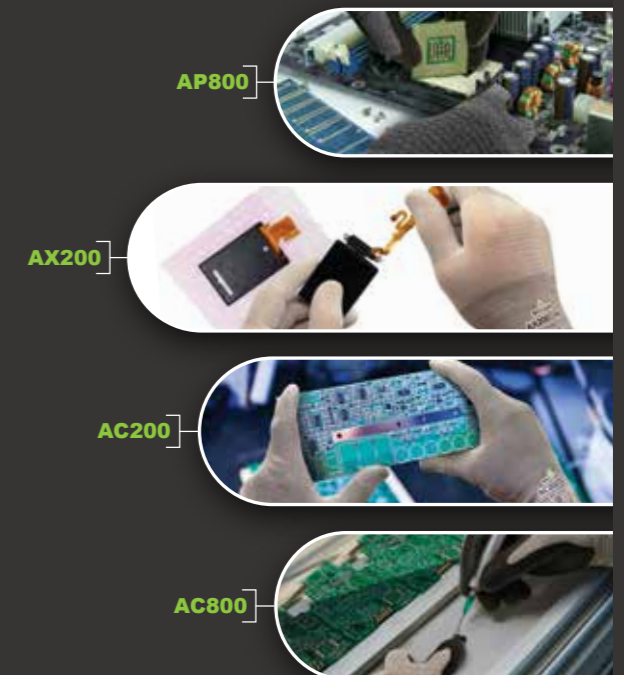
- Ground yourself by wearing an ESD wrist strap.
- Wear ESD footwear, clothes, and **gloves**.
- Utilize an anti-static mat.

*We all experience electrostatic discharge from time to time. Some of the most common are while doing everyday tasks. For example, feeling a shock after walking across a carpet and then touching a metal object or sliding across a car seat and touching the door handle.*

## Methods for the resistance testing of gloves.



- 1. Anti-static:** a material that prevents triboelectric charging.
- 2. Conductive:** carries a charge quickly from one surface to another. These gloves have a low resistivity to the passage of a current. The ESD measurement would be less than  $10^5$  Ohms/Square.
- 3. Static Dissipative:** slows the transfer of a charge from one surface to another and would help prevent damage to electronic components. The ESD measurements would be at least  $10^5$  and up to  $10^{11}$  Ohms/Square.
- 4. Insulative:** materials prevent or limit the flow of electrons and are difficult to ground. Static charges can remain in place on these materials. Insulative materials are defined as those having a surface resistivity of at least  $10^{12}$  Ohms/Square.



## SHIELD YOUR HANDS FROM STATIC DISCHARGE

SCAN THE QR CODE TO EXPLORE OUR PREMIUM ANTISTATIC PROTECTION GLOVES DESIGNED TO PREVENT ELECTROSTATIC DISCHARGE (ESD) AND SAFEGUARD BOTH YOU AND YOUR EQUIPMENT. IDEAL FOR AEROSPACE, AUTOMOTIVE, AND CLEANROOM ENVIRONMENTS—STAY SAFE, PRECISE, AND PROTECTED!

**DURACoil Alpha™**  
Durability in Every Stitch



**SIZE** | 6/S-9/XL  
**LINER** | 18-gauge seamless knit with HPPE anti-static dissipative yarn  
**GRIP** | N/A  
Uncoated



ANTI-STATIC



**DURACoil Alpha™**  
Durability in Every Stitch



**SIZE** | 6/S-10/XXL  
**LINER** | 18-gauge seamless knit with HPPE anti-static dissipative yarn  
**GRIP** | Embossed Foam



**Foam Nitrile**



**SIZE** | 6/S-10/XXL  
**LINER** | 13-gauge seamless knit with Microfiber polyester, static dissipative yarn  
**GRIP** | Embossed Foam



**SIZE** | 6/S-9/XL  
**LINER** | 18-gauge seamless knit with Microfiber polyester, static dissipative yarn  
**GRIP** | N/A  
Uncoated

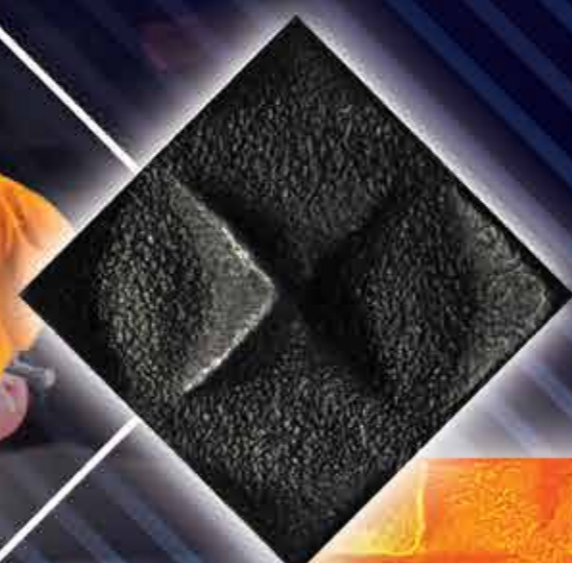
**PVC**



**SIZE** | 9/L-10/XL  
**LINER** | Seamless knit Cotton  
**GRIP** | Rough

# A GRIPPING POWER YOU CAN HANDLE

Fewer slips and drops, protecting your team from injury.



SHOWA  
**709B**



SHOWA  
**PyraGrip**  
TECHNOLOGY™

Its innovative channel system efficiently diverts fluids, minimizing slippage and maximizing control.



SINGLE USE

SHOWA  
**709HVO**



**RELIABLE PROTECTION FOR EVERY USE**  
SCAN THE QR CODE TO EXPLORE SHOWA'S PREMIUM SINGLE-USE GLOVES PERFECT FOR HEALTHCARE, FOOD HANDLING, AUTOMOTIVE, AND MORE. DESIGNED FOR SAFETY AND CONVENIENCE, THESE GLOVES PROVIDE A RELIABLE BARRIER AGAINST BACTERIA, VIRUSES, AND HARMFUL SUBSTANCES IN ANY WORKPLACE SETTING!



**SHOWA**  
**7500PF**

**Nitrile**

**SIZE** | 5-6/XS - 10-11/XXL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 4 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600



**SHOWA**  
**6110PF**

**Nitrile**

**SIZE** | 5-6/XS - 10-11/XXL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 4 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600



**SHOWA**  
**7502PF**

**Nitrile**

**SIZE** | 5-6/XS - 10-11/XXL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 2.5 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600



SCAN THE QR CODE AND DISCOVER SHOWA'S (EBT<sup>™</sup>), ENGINEERED TO MINIMIZE ENVIRONMENTAL IMPACT. LEARN HOW OUR ADVANCED GLOVES CONTRIBUTE TO A MORE SUSTAINABLE FUTURE, WITHOUT SACRIFICING PERFORMANCE.



**SHOWA**  
**6112PF**

**Nitrile**

**SIZE** | 5-6/XS - 10-11/XXL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 4 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600



**SHOWA**  
**7705PFT**

**Nitrile**

**SIZE** | 5-6/XS - 9-10/XL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 4 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600



**SHOWA**  
**7700PFT**

**Nitrile**

**SIZE** | 6-7/S - 9-10/XL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 4 mil  
**GRIP** | Textured fingertips  
+FDA 21 CFR 177.2600

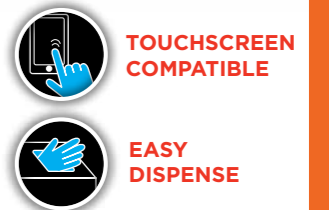


**SHOWA**  
**7503PF**

**Nitrile**

**SIZE** | 5-6/XS - 9-10/XL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 2.5 mil  
**GRIP** | Textured fingertips

**NEW GLOVE PULL OFF FUNCTION**



**SAFE DOFF™ TECHNOLOGY**

**SIZE** | 5-6/XS - 9-10/XL  
**LENGTH** | 9.5"  
**LINER** | Unlined  
**THICKNESS** | 2.5 mil  
**GRIP** | Textured fingertips

SafeDoff™ Technology is a textured tab located on the thumb side cuff, designed for safer and faster doffing.

SCAN THE QR CODE TO SEE HOW TO USE THE SHOWA'S LATEST SAFEDOFF™ TECHNOLOGY.



**SINGLE USE**

Nitrile

SHOWA

9700PF

SIZE | 6-7/S - 10-11/XXL  
LENGTH | 11"  
LINER | Unlined  
THICKNESS | 6 mil  
GRIP | Textured fingertips  
+FDA 21 CFR 177.2600



Nitrile

SHOWA

9905PF

SIZE | 5-6/XS - 10-11/XXL  
LENGTH | 11"  
LINER | Unlined  
THICKNESS | 6 mil  
GRIP | Textured fingertips  
+FDA 21 CFR 177.2600



Nitrile

SHOWA

8005PF

SIZE | 6-7/S - 9-10/XL  
LENGTH | 9.5"  
LINER | Unlined  
THICKNESS | 8 mil  
GRIP | Textured fingertips  
+FDA 21 CFR 177.2600



SINGLE USE

Nitrile

SHOWA PyraGrip™

709B

SIZE | 6-7/S - 10-11/XXL  
LENGTH | 9.5"  
THICKNESS | 8 mil  
GRIP | Unique Channel System Diverts Fluid



PyraGrip's engineered texture not only provides exceptional grip in dry conditions, but also excels in wet environments.

Nitrile

SHOWA PyraGrip™

709HVO

SIZE | 6-7/S - 10-11/XXL  
LENGTH | 9.5"  
THICKNESS | 8 mil  
GRIP | Unique Channel System Diverts Fluid



Experience a secure and reliable grip for all handling tasks, even in the presence of oils or liquids



# 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



<b>CATEGORY I</b>	Minor risks.
<b>CATEGORY II</b>	Reversible risks (injury), certified compliant by a notified body.
<b>CATEGORY III</b>	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](http://ChemRest.com)

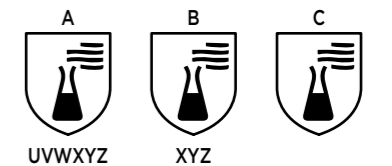
Test method to measure the resistance of the PPE material to permeation by hazardous chemicals at molecular level and under continuous contact. The resulting value is the breakthrough time or the time needed by the hazardous liquid or gas to get in contact with the skin. The glove is classified in terms 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	Nitric acid 65%	7697-37-2	Inorganic mineral acid, oxidizing
N	Acetic acid 99%	64-19-7	Organic acid
O	Ammonium hydroxide 25%	1336-21-6	Organic base
P	Hydrogen peroxide 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid, contact poison
T	Formaldehyde 37%	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+A1:2018

Mechanical risks



abc def

### 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 13997 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	-

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 511: 2006

Cold-related risks



abc

## EN 407:2020

Protective gloves and other hand protective equipment's against thermal risks (heat and/or fire)



abc def

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 gloves - Electrostatic properties

## RISKS RELATED TO FOOD CONTACT



Part 1 – Test method for measurement of surface resistivity

Part 2 – Test method for measurement of the electrical resistance through a material

Part 3 – Test methods for measurement of charge decay

Part 5 – Material 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

Requirements and testing for 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 1 Liter 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 (Acceptance Quality Limit) 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

Requirements and testing for 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

Requirements and testing for 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

Requirements and testing for 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.

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