



## Hand Protection



# STANDARDS OF PROTECTIVE GLOVES



Please read instruction for use.

## EN 388 : 2016 - Mechanical Risks

## EN ISO 374-5 : 2016 - Micro-Organisms



abcde

where

a = resistance to abrasion (Min. 0 ; Max. 4)  
b = resistance to blade cut (Min. 0 ; Max. 5)  
c = resistance to tear (Min. 0 ; Max. 4)  
d = resistance to puncture (Min. 0 ; Max. 4)  
e = Cut ISO 13997:1999



Number refers to as acceptable quality level (AQL)

## EN ISO 374-1:2016 - Protective Gloves Against Dangerous Chemicals



AJKLOPT

where

A : Methanol  
B : Acetone  
C : Acetonitrile  
D : Dichloromethane  
E : Carbon disulphide  
F : Toluene  
G : Diethylamine  
H : Tetrahydrofurane  
I : Ethyl acetate  
J : n-Heptane  
K : Sodium hydroxide 40%  
L : Sulphuric acid 96%  
M : Nitric acid 65%  
N : Acetic acid 65%  
O : Ammonium hydroxide 25%  
P : Hydrogen peroxide 30%  
S : Hydrofluoric acid 40%  
T : Formaldehyde 37%

**Table 1 - List of test chemicals**

Performance Level	Breakthrough Time, Minutes
0	≤ 10
1	> 10
2	> 30
3	> 60
4	> 120
5	> 240
6	> 480

### Note:

Type A : The permeation performance shall be at least level 2 against a minimum of six test chemicals in Table 1.  
Type B : The permeation performance shall be at least level 2 against a minimum of three test chemicals in Table 1.  
Type C : The permeation performance shall be at least level 1 against a minimum of one test chemical in Table 1.

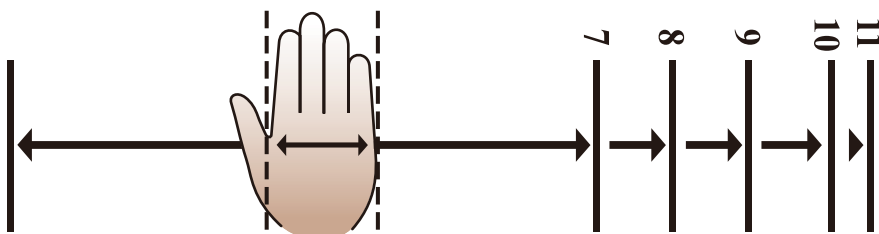
## EN374-4: 2013 - Resistance to degradation by chemicals

### Note for Observation (EN 374-4:2013)

- |                      |                                    |
|----------------------|------------------------------------|
| 1. No Change         | 4. Severe Swelling                 |
| 2. Slight Swelling   | 5. Severe Swelling & Colour Change |
| 3. Moderate Swelling |                                    |



Suitable for food contact  
\* Further information can be obtained from  
Lakeland Industries, Inc.



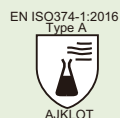
Lakeland gloves are available in a range of sizes 7-11 according to EN420.

Glove Size	Hand Circumference/length
7	178/171mm
8	203/182mm
9	229/192mm
10	254/204mm
11	279/215mm

## NITROSOL™ NITRILE



EN15F: 4,1,0,1,X  
EN19F: 4,1,0,2,X  
EN22L: 4,1,0,2,X  
CN15F: 3,1,0,1,X



Raised Lozenge Grain



Flocklined

### FEATURES

- Outstanding Chemical Resistance:  
Provides protection both physical and chemical when exposed to solvents... petroleum, aromatic, caustics and fatty acids in food service applications.
- Outstanding Physical Properties:  
Excellent snag, puncture, abrasion and cut resistance. Case hardened to increase wear and chemical resistance.
- Raised Lozenge Grain:  
Easier and safe handling of wet objects. Lozenge Grain for superior wet grip.
- Widest Selection of Styles:  
Choose from unlined or flocklined in various mil thicknesses and various lengths.

### KEY APPLICATIONS

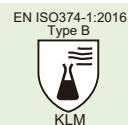
- Paint spraying operation.
- Degreasing.
- Electronics.
- Photo finishing.
- Petrochemicals.
- Refining.
- Handling solvents, alcohols, acids and caustics.

Product Code	Description	Length	Sizes	Case Pack
EN15F	15 Mil, Flocklined, Raised Lozenge Grain	13"(33cm)	8-11	144 pairs/carton
CN15F	15 Mil, Flocklined, Raised Lozenge Grain	13"(33cm)	8-10	144pairs/carton
EN19F	19 Mil, Flocklined, Raised Lozenge Grain	13"(33cm)	8-11	144 pairs/carton
EN22L	22 Mil, Unlined, Raised Lozenge Grain	17.7"(45cm)	8-10	36 pairs/carton

## NATRASOL™ NATURAL RUBBER



2,0,1,0,X



Raised Zig Zag Grain



Flocklined

### FEATURES

- Outstanding Chemical Resistance:  
Provides protection against caustics, detergents, acids, alcohols and many ketones.
- Physical Properties:  
Case hardened for greater abrasion and chemical resistance than other ordinary natural rubber gloves.
- Creature Comforts:
  - Contoured palm and ergonomically designed curved fingers for a soft comfortable fit.
  - Soft flock lining which absorbs perspiration and feels comfortable while exposed to solvents.
  - Raised Zig Zag Grain for improved wet grip.

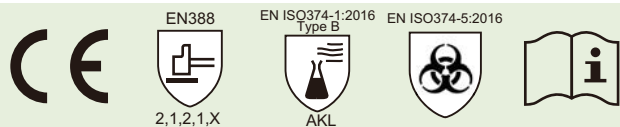
### KEY APPLICATIONS

- Electronics and Semi-conductor Industry.
- Food Processing.
- Tank Cleaning.
- Handling acids, ketones, alkalies, caustics, epoxies.
- Printing industry.

Product Code	Description	Length	Sizes	Case Pack
ER18F	18 Mil, Flocklined, Raised Zig Zag Grain	13"(33cm)	8-11	144 pairs/carton

## NEOLASOL™ NEOPRENE NATURAL RUBBER

## NEOSOL™ NEOPRENE



Raised Zig Zag Grain



Flocklined

### FEATURES

- **Unique Process:**  
Our 2 dip process allows for a blend of neoprene and natural rubber over natural rubber, increasing the level of protection in a broad range of chemicals.
- **Versatility:**  
Provides a level of versatile chemical resistance compared to conventional single dipped gloves.
- **Longer Length:**  
13" length is longer than most other gloves for added protection.
- **Economical:**  
An economical option- cost savings idea over other types of chemical resistant gloves.
- **Creature Comforts:**  
Contoured palm and ergonomically designfingers for a soft, comfortable fit.
- **Flock Lined:**  
Soft flock lining absorbs perspiration and feels comfortable while exposed to solvents.
- **Get a Grip:**  
Raised diamond pattern provides a better grip while handling wet or dry areas.

### KEY APPLICATIONS

- Pesticide manufacturing.
- Janitorial.
- Chemical processing.
- Light assembly.
- Food service.



Pebble finish on the palm and back of hand



Flocklined

### FEATURES

- **Wide Spectrum Chemical Protection:**  
Resists a broad range of chemicals. Acid, caustic, oil and solvent resistant.
- **Improved Physical Properties:**  
Gloves are case hardened increasing wear, abrasion resistance and chemical resistance over other ordinary neoprene gloves.
- **Creature Comfort:**  
Contoured palm and ergonomically designed curved fingers make for a soft, comfortable fit.

### KEY APPLICATIONS

- **Printing:** clean up, graphics arts.
- **Electronics:** handling of printed circuit boards, semiconductor.
- **General manufacturing:** fabrication, cutting oils, caustics, dip tanks.
- **Aerospace:** cleaning solvents, engine fan blades, metal fabrication.
- **Auto industry.**
- **Chemical processing Industry.**
- **Glass manufacturing.**
- **Janitorial.**

Product Code	Description	Length	Sizes	Case Pack
ECR27F	27 Mil Flocklined, Raised Zig Zag Grain	13"(33cm)	8-10	108 pairs/carton

Product Code	Description	Length	Sizes	Case Pack
EC30F	30 Mil, Flocklined, Pebble finish on the palm and back of hand	13"(33cm)	8-11	72 pairs/carton

# Natrasol® Natural Rubber Chemical Protective Gloves



EN388:2016  
1020X

EN ISO 374-1:2016  
Type B  
KLM

EN374-5:2016



## FEATURES

- **Outstanding Chemical Resistance:**  
Provides protection against caustics, detergents, acids, alcohols and many ketones.
- **Physical Properties:**  
1.5 times the thickness of ordinary natural rubber gloves. Case hardened for greater abrasion and chemical resistance than other ordinary natural rubber gloves.
- **Creature Comforts:**
  - Contoured palm and ergonomically designed curved fingers for a soft comfortable fit.
  - Soft flock lining which absorbs perspiration and feels comfortable while exposed to solvents.
  - Hexagonal Finish for improved wet grip.

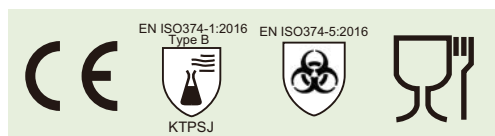
## KEY APPLICATIONS

- Pharmaceutical Industry
- Chemical processing
- Mechanical Processing
- Metal handling
- Chemical and Petrol Industry

Product Code	Description	Length	Sizes	Case Pack
ER28F	28mil (0.70mm) thickness, 12" (30.5cm) length, Flocklined, Hexagonal Finish	12" (30.5cm)	8-11	72 Pairs/Case



# DISPOSABLE GLOVES



## 8304PF Disposable Nitrile Gloves

### 8304PF Disposable Nitrile Gloves (Powder Free, Palm-Textured)

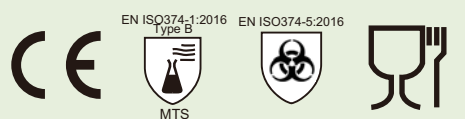
The glove that contains no latex is very comfortable and dexterity. It is much thicker and more durable than common disposable nitrile gloves. The grip performance is better because of textured surface.

#### FEATURES

- Contains no latex and prevents hypersensitiveness; 0.10mm thickness, 24cm length, comfortable and good dexterity;
  - Good chemical and oil resistance;
  - Textured surface for good grip;
  - Meets CE certification;
- The materials comply with FDA regulations for food contact.

#### KEY APPLICATIONS

- Chemical industry;
- Automobile manufacture;
- Small Parts handling;
- Laboratory;
- Light duty maintenance and cleanup;
- Pharmaceutical processing and manufacture.



## 8204PF Disposable Latex Gloves

### 8204PF Disposable Latex Gloves (Powder Free, Palm-textured)

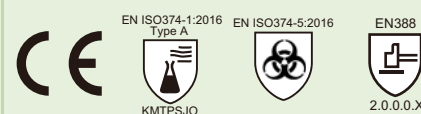
Comfortable, dexterity, Textured surface for good grip and good elasticity for all kinds of demands.

#### FEATURES

- Latex material, better elasticity and biodegradable;
- 0.10mm thickness, 240mm length, powder free, comfortable and dexterity;
- Textured surface for good grip;
- Removable packing, useable with either hand.

#### KEY APPLICATIONS

- Food handling;
- Small Parts handling;
- Laboratory;
- Light duty maintenance and cleanup.



## 8308PF Disposable Nitrile Gloves

**8308PF Disposable Nitrile Gloves**  
The gloves are Comfortable, dexterity, and chemical resistance; Much thicker and more durable than common disposable nitrile gloves; Reusable.

#### FEATURES

- Thin nitrile material, better elasticity and dexterity;
- 0.20mm thickness, 305mm length, powder free;
- Textured surface for good grip;
- Removable packing, useable with either hand;
- Good chemical, solvent and low concentration of acid and alkaline resistance

#### KEY APPLICATIONS

- Chemical industry;
- Automobile manufacture;
- Small Parts handling.

Product Code	Description	Sizes	Case Pack
8304PF	Disposable nitrile gloves, Powder free	S-XL	100pcs/box 10boxes/carton

Product Code	Description	Sizes	Case Pack
8204PF	Disposable latex gloves, Powder free	S-XL	100pcs/box 10boxes/carton

Product Code	Description	Sizes	Case Pack
8308PF	Disposable nitrile gloves, Powder free	S-XL	50pcs/box 10boxes/carton

## SPIDERGRIP® MECHANIC PROTECTIVE GLOVES



Oil proof



Skid proof



Oil proof



7-1506



7-2506



7-1505

### SpiderGrip™

Job fitted for applications where dexterity, flexibility and comfort are desired!

SpiderGrip gloves will make slips a thing of the past! SpiderGrip crinkle dip latex gloves have a textured palm to provide an excellent grip. The palm of the glove is liquid repellent, while the back provides excellent breathability to keep hands cool while on the job.

#### FEATURES

- Seamless design.
- Puncture resistant.
- Ergonomic fit.
- Long wearing.

#### KEY APPLICATIONS

- Light to medium fabrication.
- Parts handling.
- General warehousing.
- Maintenance.
- Corrugated manufacturing.
- General purpose handling where light liquids or oils are present.



7-3101

### SpiderGrip™ 7-3101

When Dexterity Matters!

For the handling of those small parts nothing beats a Polyurethane coated polyester knit liner glove.

#### FEATURES

- Non-linting polyester seamless liner.
- Ergonomic fit.
- Superior tactile feel and touch.
- Comfort plus.

#### KEY APPLICATIONS

- Intricate parts assembly.
- Inspection.
- Electronics.
- Automotive.
- Material handling.
- Light fabrication.

Product Code	Description	Sizes	Case Pack
7-1505	Polyester cotton latex dipped gloves	L	120pairs/carton
7-1506	Polyester cotton latex dipped gloves	S-XL	120 pairs/carton
7-2506	Lightweight polyester latex dipped gloves	S-XL	144 pairs/carton

Product Code	Description	Sizes	Case Pack
7-3101	P/U white polyester polyurethane dipped gloves	S-XL	144 pairs/carton

## SPIDERGRIP® CUT RESISTANT GLOVES



Cut resistant



Skid proof



2.5.4.X



**SpiderGrip® 22-1601**

### FEATURES

- Superfine stainless steel wire and 100% aramid, which has excellent cut-resistant ability;
- PVC dots on palm, which make the gloves skid proof.
- Soft, comfortable, good breathability and long using life.

### KEY APPLICATIONS

- Metal Handling
- Automotive Industry
- Assembly
- Manufacturing

Product Code	Description	Sizes	Case Pack
22-1601	PVC dots on palm, excellent cut-resistant ability	S-XL	1 pair/bag, 120 pairs/carton



Cut resistant



Oil proof



Skid proof



3.5.4.3



**SpiderGrip® 22-1608**

### FEATURES

- Accord with anti-cutting level 5 of EN388
- Latex finish on the palm of gloves, which make the gloves oil and skid proof.
- Accord with contact heat level 2 of EN407. Be able to resist 250 °C contact heat.

### KEY APPLICATIONS

- Automotive industry
- Glass Manufacturing
- Metal and Mechanic Handling
- Logistics
- Emergency Rescue

Product Code	Description	Sizes	Case Pack
22-1608	Anti-cutting level 5, Latex finish on the palm of gloves.	S-XL	12 pairs/bag 120 pairs/carton

## SPIDERGRIP® CUT RESISTANT GLOVES



Cut resistant



Oil proof



Skid proof



4.5.4.3



### FEATURES

- 100% HPPE fiber knit. Excellent cut-resistance performance. Meeting the requirements of EN388.
- Soft, comfortable and breathable.

### KEY APPLICATIONS

- Plastic processing.
- Leather processing.
- Glass products industry.
- Metal processing.

Product Code	Description	Sizes	Case Pack
96-5205	13 gauge. 100% HPPE fiber knit. Polyurethane dipped gloves	S-XL	240 pairs/carton

## ENHAND-CR® CUT RESISTANT GLOVES



### Enhand-CR, Your FIRST line of defense!

- Cut Resistance:  
Highest level on ASTM F1790 standard.
- Dexterity:  
Excellent flexibility, feel and dexterity.
- Launderable:  
Withstands over 40 washings.
- Cost:  
More economical than lesser cut resistant gloves without antimicrobial features.
- Other design features:  
Improve areas of premature wear through a patented design process.



FEATURES		KEY APPLICATIONS	
<ul style="list-style-type: none"> <li>• Passes ASTM E2149.</li> <li>• Passes AATCC Test Method 100.</li> <li>• Microbes Are Killed Instantly.</li> <li>• Withstands Up to 40 Washings.</li> <li>• Ionically bonds to fibers to last the life of every fiber in the product.</li> </ul>		<ul style="list-style-type: none"> <li>• For all food service industries, poultry, chicken or beef processing.</li> <li>• Passes ASTM E2149.</li> <li>• Passes AATCC Test Method 100.</li> <li>• Can be washed with bleach.</li> </ul>	
Product Code	Description	Sizes	Case Pack
96-1754	Blue Enhand-CR Glove	S-L	12pcs/bag

# SHURRITE® CUT RESISTANT GLOVES

**Twaron®**



## Advantages of Twaron® in protective gloves

### Twaron® Fiber

- Teijin promotes a finer 1.5 denier Twaron® fiber for use in protective gloves compared to 2.25 denier fiber commonly used in the market. The benefit for the end user is a longer lasting, more comfortable product with maximum protective properties.
- Greater life cycle compared to competitive products.
- Due to its patented manufacturing process Twaron® is showing less change of color after UV exposure.
- Good Thermal characteristics of Twaron®. Does not burn. Does not melt or drip. Has low heat shrinkage. Retains dimensional stability at high temperatures. Release little smoke under extreme conditions

## FEATURES

- Made from 100% Twaron® fiber;
- Outstanding mechanical protective feature;
- Soft, breathable and comfortable;
- Good dexterity.

## KEY APPLICATIONS

- Automotive
- Metal Handling
- Assembly
- Glass Industry



Product Code	Description	Sizes	Case Pack
21-849C	Made from 100% Twaron® fiber	S, M, L	12 pairs / bag 120 pairs/carton

# SHURRITE® CUT RESISTANT GLOVES

EN388  
  
1.5.4.X



Reinforcement between the thumb and the index finger.



- Modern Protective Armor!
- Lakeland ShurRite® safety gloves and sleeves made with DuPont® 100% Kevlar® aramid fiber provide excellent cut resistance for hand and arm protection. ShurRite® offers outstanding cut resistance combined with intermittent heat resistance without affecting their wearers manual dexterity. These tough gloves and sleeves will outlast cotton, leather and coated gloves many times over. They greatly reduce potential injuries to workers' hands and contribute to reducing accident claims and insurance costs. Available in various grip-enhancing coatings and patterns.
- And, where additional protection from heat is required, ShurRite® Kevlar® Terry gloves are the answer. The terry loop construction provides a cushion of air that insulates against high temperature extremes, while Kevlar® adds the cut/slash protection.

## FEATURES

- Cut Resistant.
- Heat Resistant.
- Chemical Resistant (organic solvents; diluted acids).
- Lightweight.
- Excellent dexterity and flexibility.
- Breathable.
- Washable.

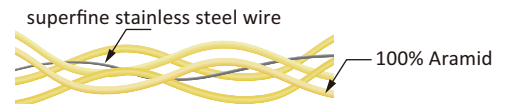
## KEY APPLICATIONS

- Metal handling.
- Automotive.
- Aerospace.
- Assembly.
- Lumber and paper.
- Office furniture manufacturing.
- Heating and air conditioning.
- Manufacturing.
- Wire and cable industries.
- Glass industry.

EN388  
  
2.5.4.X



## Anti-cutting Level 5



## FEATURES

- Accord with anti-cutting level 5 of EN388.
- Nontoxic material, comfortable and dexterity.
- Long using life.

## KEY APPLICATIONS

- Metal handling.
- Automotive.
- Assembly.
- Lumber and paper.
- Office furniture manufacturing.
- Heating and air conditioning.
- Manufacturing.
- Glass industry.

Sizes:

Distinguish the size by different color on wrist.



S: Yellow



M: Red



L: Brown

Product Code	Description	Sizes	Case Pack
21-843C	7 gauge 100% Kevlar® knit gloves	M-L	1 pair / bag 120 pairs/carton
41822THVC	100% Kevlar®, 2 ply sleeve, 3" width	18"	1 piece / bag 200 pcs/carton

Product Code	Description	Sizes	Case Pack
21-845C	7 gauge, 100% Aramid and superfine stainless steel wire	S-L	12 pairs / bag 120 pairs/carton