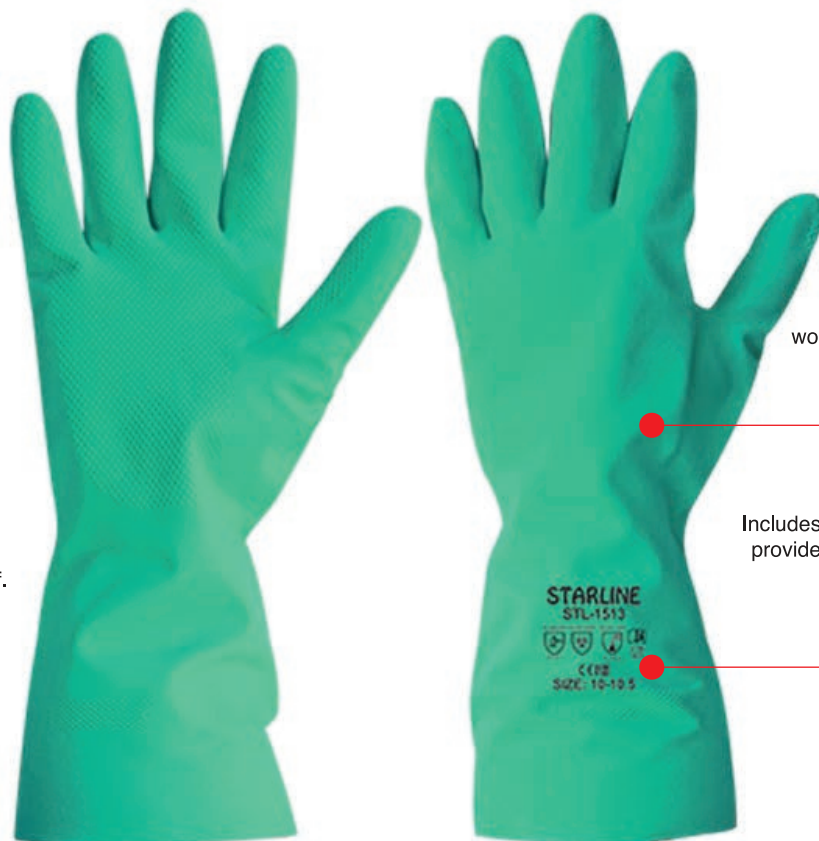


### STL-1513 Nitrile Glove

This product is designed to protect against high-level hazards in accordance with accepted standards and is intended to protect the user. At the same time, it provides protection against minimal risk factors that may not result in irreversible body injuries. It is resistant to chemicals such as strong detergent, grease and solvents. With its palm pattern structure, it adapts to wet and dry conditions. Thanks to its anatomic structure it is comfortable and reduces hand fatigue.



#### ● Glove Lining

Thanks to its cotton fiber liner structure, it is easy to pull on/off.

#### Upper Material

It is made of nitrile material for working in dry and wet environments.

#### Marking Field

Includes all information required to be provided as per the European norms.

### ● Technical Specifications

Lining Material	Cotton Lining
Sizes	6-6.5, 7-7.5, 8-8.5, 9-9.5, 10-10.5
Color	Green
Length / Thickness	330mm / 0.38mm
Units per Package	144 Pairs
Packaging	1 Pair
Category	CAT III
Standards	EN 388:2016+A1:2018 (4101X) EN 374-1:2016+A1:2018/Type A (AJKLMNOPT) EN 374-5:2016 EN 420: 2003+A1:2009

# STARLINE

## GLOVE TEXTURE and LINING MATERIAL



### HONEYCOMB TISSUE

Thanks to the honeycomb texture applied on the palm of the glove, it provides the anti-slip properties on wet and dry surfaces. Thanks to the texture, objects can be gripped more firmly.



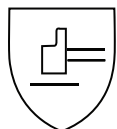
### COTON LINING

Thanks to its cotton liner, it can be worn easily and provides comfortable usage. Keeps hand sweats at minimum.

## STANDARDS

These gloves are intended to protect the hands against mechanical hazards defined in the PPE Regulation (EU) 2016/425. This product has been tested for EN420: 2003+A1:2009 (General requirements and examination methods), EN388:2016+A1:2018 (Protective Gloves Against Mechanical Risks) and EN ISO 374-1:2016+A1:2018 Type A, EN ISO 374-5:2016, EN 374-4:2013 (Protective Gloves Against Chemicals and Microorganisms). In addition, the European Commission has passed food tests according to the No.10 / 2011 directive.

**EN 388:2016  
+A1:2018**



**4101X**

**EN 420:2003  
+A1:2009**



**EN 374-4: 2013**

Chemical - Mean Degradation %  
Methanol 70.1%  
Toluene %81.8  
n-Heptane %0.0  
40% Sodium Hydroxide 4.5%  
96% Sulfuric Acid 61.9%  
65% Nitric Acid 98.7%  
% 99 Acetic Acid %91.9  
25% Ammonium Hydroxide -5.8%  
30% Hydrogen Peroxide -11.7%  
37% Formaldehyde -15.6%

**EN 374-5  
:2016**



**EN ISO 374-1:2016  
+A1:2018/TypeA**



**AJKL MN OPT**

**PROTECTIVE GLOVES AGAINST CHEMICALS AND MICROORGANISMS**

Determination of resistance to permeation by chemicals.

**A (Methanol: 0-6): Class 2**

**F (Toluene: 0-6) : Class 1**

**J (n-Heptane: 0-6) : Class 6**

**K (Sodium Hydroxide 40%: 0-6): Class 6**

**L (Sulfuric Acid 96%: 0-6): Class 3**

**M (Nitric Acid 65%: 0-6): Class 2**

**N (Acetic Acid 99%: 0-6): Class 3**

**O (Ammonium Hydroxide 25% 0-6): Class 6**

**P (Hydrogen Peroxide 30%: 0-6): Class 6**

**T (Formaldehyde 37%: 0-6): Class 6**



Dexterity Level  
(min.1-max.5): **5**

## Areas of Usage

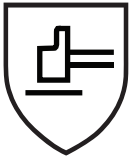


Suitable for use in the manufacture of food products. It can also be used in jobs requiring resistance to chemicals in pharmaceutical industry and laboratory works. It is a very suitable glove especially for people dealing with cement works in the construction sector. It can be used in the cleaning sector where there are risky chemicals.

# STARLINE

## STANDARD REMARKS

### EN 388:2016



abc def

#### EN 388 Protective Gloves for Mechanical Risks

This standard covers features and test methods for protective gloves against mechanical risks such as abrasion, cutting, tearing, puncturing.

#### FEATURES:

Protective gloves conforming to this standard must meet all applicable properties of EN 420. The performance level of a protective glove against mechanical risks should be at a higher level for one of the attributes (wear, knife cutting, tearing, puncture and impact protection) that are classified according to the least features of each level shown in the table below.

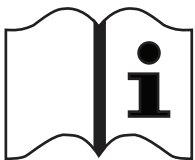
Note - Gloves that meet the specifications for puncture resistance may not be suitable for protection against sharp-pointed objects such as hypodermic needles.

The letter **X** means that the test has not been done or can not be performed.

PERFORMANCE LEVELS	1	2	3	4	5
a - Abrasion resistance (number of cycles)	100	500	2000	8000	-
b - Cut resistance (index)	1,2	2,5	5,0	10,0	20,0
c - Tear resistance (N)	10	25	50	75	-
d - Puncture resistance (N)	20	60	100	150	-

PERFORMANCE LEVELS	A	B	C	D	E	F
e - Cut Resistance (N)	2	5	10	15	22	30
f - Protection Against Impact	Pass (P) / Failed (No sign)					

### EN 420



#### EN 420 General Specifications and Test Methods

This standard specifies the general requirements for the glove design and construction, protection against hazards, comfort, efficiency and marking and information applicable to all protective gloves. This standard also applies to arm protections.

Many gloves designed for electrical technicians or the most private applications such as surgical operations are governed by private and strict standards.

GLOVE SIZE	Fits Hand Size	Hand Circumference / Length	Minimum Glove Length
6	6	152/160 mm	220 mm
7	7	178/171 mm	230 mm
8	8	203/182 mm	240 mm
9	9	229/192 mm	250 mm
10	10	254/204 mm	260 mm
11	11	279/215 mm	270 mm

\* For more detailed information on Standards, you can obtain **EN European Glove Standards Guidelines** from [www.starlinesafety.com](http://www.starlinesafety.com).

# STARLINE

## STANDARD REMARKS

EN 374-1/Type A



UVWXYZ

EN 374-1/Type B



XYZ

EN 374-1/Type C



### Marking of Protective Gloves from Chemicals

Type A and Type B gloves must be accompanied by coding letters under the “chemical resistant” pictogram shown on the side.

Gloves marked with Type C do not use the coding letter.

These coding letters refer to the list of chemicals

defined in the standard. The minimum permeability time for type C gloves is 10 minutes for a chemical in the list. For Type B, 30 minutes for at least 3 chemicals and 30 minutes for Type A for at least 6 chemicals.

### EN 374-4: 2013 New Distortion Test

After exposure to a chemical substance for a while, a new decay test was performed to measure the change in the physical properties of the glove. Fragmentation can be seen as swelling, flaking, discoloration, relaxation, hardening, softening or dimensional change. Tests according to EN 374-4: 2013 must be carried out for each requested chemical.

- Distortion test (deterioration of the physical properties of the gloves in contact with the chemical) according to EN 374-4: 2013.

- In order to be protective against chemicals in the list, it should be subjected to Penetration and Distortion tests.

- Distortion test results should be in the information brochure.

### LIST OF CHEMICAL SUBSTANCES USED IN EXPERIMENT:

CODE	CHEMICAL MATTER	CAS NUMBER	CLASS
A	Methanol	67-56-1	Primary Alcohol
B	Nail polish remover	67-64-1	ketones
C	Acetonitrile	75-05-8	Nitrile Compound
D	Dichloromethane	75-09-2	Chlorinated Paraffin
E	Carbon Disulfide	75-15-0	Organic Compound Containing Sulfur
F	Toluene	108-88-3	Aromatic Hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic And Ester Compound
I	Ethyl Acetate	141-78-6	Ester
J	n-Heptane	142-85-5	Saturated Hydrocarbon
K	Sodium Hydroxide, 40%	1310-73-2	Inorganic Base
L	Sulfuric Acid, 96%	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	Ammonia 25%	1336-21-6	Inorganic base
P	Hydrogen peroxide 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	Formaldehyde 37%	50-00-0	Aldehyde

# STARLINE

EN 374-5



EN 374-5



VIRUS

## EN 374 Protective Gloves Against Chemical Substances And Microorganisms

This standard specifies the ability of gloves to protect the user from chemicals and microorganisms.

### Marking Of Protective Gloves Against Microorganisms

For gloves that are protective against bacteria and fungi, the above-mentioned biohazard pictogram and the word "MANTAR" is applied. However, it is imperative that the glove be tested for leakage in accordance with EN374-2: 2013.

The biohazard pictogram for protection against bacteria, fungi and viruses is accompanied by the expression "BİYOLOJİK VIRUS" at the bottom. For this protective standard, it is essential that the glove is tested for bacteria and fungi in accordance with EN 374-2: 2013 and subjected to a bacteriophage penetration test in accordance with ISO 16604: 2004 (Method B).

## USER'S GUIDE



### Maintenance and Cleaning

We recommend you to clean gloves by a normal detergent with 40-60°C of water with maximum of 3 times. After the washing, the performance may not be seen which it is featured in associated pictograms. It is the responsibility of user to control whether glove is suitable for intended use or not, whether it is complete or not and whether protective functions are undamaged or not. User should carry out an examination against potential defects which are likely to adversely affect protection functions (punctures, tears, damaged seams, etc.).



### Service Life

Gloves should be used within three years as of the manufacture date. Service life of the gloves are affected by several factors such as cold, hot, chemicals, sunlight and inadvisable storage.



### Storage

Storage is a part of the maintenance and cleaning but is often ignored. Protective gloves should be stored in their original packaging which will keep them away from direct sunlight, chemicals and abrasive materials and protect them against physical damages of the hard surfaces or materials when it is not used or during shipment. Product should be stored in a dry and well-ventilated place. Availability of excessive humidity or intense light may adversely affect the product quality.

## Order Information

MODEL	Size	Barcode	Box Quantity	Box Dimension	Box Weight
STL-1513	6-6.5	8680907971522	144 Pairs	38 x 30 x 32cm	12.20kg.
STL-1513	7-7.5	8680907935692	144 Pairs	38 x 30 x 32cm	12.50kg.
STL-1513	8-8.5	8680907935708	144 Pairs	38 x 30 x 32cm	12.75kg.
STL-1513	9-9.5	8680907935715	144 Pairs	38 x 30 x 32cm	13.00kg.
STL-1513	10-10.5	8680907935722	144 Pairs	38 x 30 x 32cm	13.23kg.