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DATA SHEET

STL-2113 Natural Rubber + Neoprene Gloves

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 anotomic structure, it is comfortable and reduces hand fatigue. Compared to natural rubber gloves, hydraulic fluids provide good protection against gasoline, alcohol, organic acids and alkalis.

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

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

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	Blue+Yellow
Length / Thickness	300mm / 0.60mm
Units per Package	144 Pairs
Packaging	1 Pair
Category	CAT III
Standards	EN 388:2016+A1:2018 (2110X) EN ISO 374-1:2016 +A1:2018/Type A (AKLMNPST) EN ISO 374-5:2016 EN ISO 21420:2020

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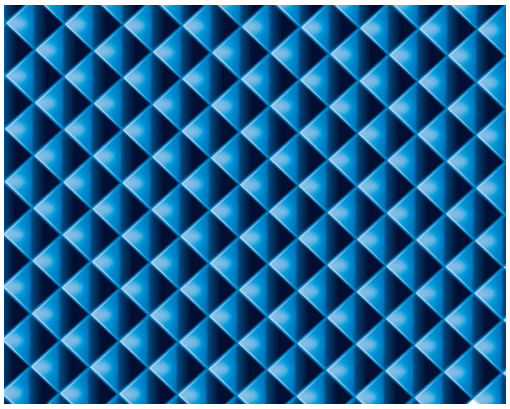
GLOVE TEXTURE and LINING MATERIAL



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 mimimum.

STANDARDS

These gloves are designed to protect hands against irreversible or lethal risks as defined in the EU Regulation 2016/425. This product has undergone testing according to EN ISO 21420:2020 (General requirements and test methods for protective gloves), EN 388:2016+A1:2018 (Protective gloves against mechanical risks), EN ISO 374-1:2016 +A1:2018 (Protection against chemicals and microorganisms), and EN ISO 374-5:2016 (Protective gloves against chemicals and microorganisms). Additionally, it has been subjected to food tests in accordance with European Commission Directive No. 10/2011.

EN 388:2016 +A1:2018	EN ISO 374-1:2016 +A1:2018/Type A	EN ISO 374-5 :2016	EN ISO 21420 :2020
2110X	AKLMNPST	VIRUS	

CE 0598 CAT III

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

EN ISO 374-1:2016+A1:2018 PROTECTIVE GLOVES AGAINST CHEMICALS AND MICROORGANISMS

EN ISO 374-1:2016+A1:2018 / Type A AKLMNPST		EN ISO 374-1:2016+A1:2018 Permeation Performance Level	EN ISO 374-4:2019 Degradation %
A	Methanol	2	%4.9
K	Sodium Hydroxide 40%	6	-%13.3
L	Sulphuric Acid 96%	3	%26.4
M	Nitric Acid 65%	5	%21.9
N	Acetic Acid 99%	2	%22.7
O	Ammonium Hydroxide 25%	1	-%12.3
P	Hydrogen Peroxide 30%	6	%6.5
S	Hydrofluoric Acid 40%	6	X
T	Formaldehyde 37%	6	-%1.6

"X" test was not carried out, not required or not suitable
Degradation percentage denotes the change in puncture resistance after exposure to the challenge chemical

Above permeation Levels are based on breakthrough times as follows						
Permeation Performance Level	1	2	3	4	5	6
Measured Breakthrough Time (min)	>10	>30	>60	>120	>240	>480

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.

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STANDARD REMARKS

EN 388:2016 +A1:2018

EN 388:2016+A1:2018 Protective Gloves Against Mechanical Risks

This standard covers features and test methods of the protective gloves against mechanical risks such as abrasion, blade cut, tear and puncture.

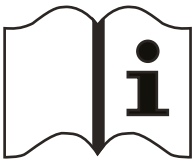
REQUIREMENTS:

Protective gloves complying with this standard should fulfill all applicable requirements of EN 420. Performance level of a protective glove against mechanical risks should exceed the lowest level for each one in the following table (abrasion, blade cut, tear and puncture).

Note– Gloves fulfilling the requirements for puncture resistance may not be suitable for sharp-pointed objects such as hypodermic needles.

PERFORMANCE LEVELS	1	2	3	4	5
A - Abrasion resistance (cycles)	100	500	2000	8000	-
B - Blade 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	-

EN ISO 21420 :2020



EN ISO 21420 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**.*

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EN 374 Protective gloves against chemical substances and microorganisms:
This standard covers the rules that are necessary to protect the users against chemicals and / or micro-organisms and describes the terms to be used.
Penetration: refers to the passage of a chemical and / or microorganism at a non-molecular level from the porous material, sewing, pinhole or other defects in the protective glove material.
Infiltration: Rubber and plastic coatings on gloves may not always form a barrier to liquids. Sometimes they can also act as a sponge by absorbing liquids and retaining fluid to avoid contact with the skin. Therefore, it is necessary to calculate the elapsed times or the time it takes for the dangerous liquid to come into contact with the skin.

EN 374-2

Penetration (EN 374-2):
The gloves should not leak when tested in accordance with the test methods given in EN 374-2 and pass both tests according to the given criteria.

EN 374-3

XXXX

Permeability (EN 374-3):
The chemical composition used in each protective glove / experiment is classified in terms of the transition time according to each chemical, which provides protection against the permeability of the glove.

PERMEABILITY PERFORMANCE LEVELS						
Performance Values (infiltration)	1	2	3	4	5	6
Measured Time (minutes)	> 10	> 30	> 60	> 120	> 240	> 480

PERFORMANCE VALUES			
Performance Values	1	2	3
AQL (Acceptable quality)	< 4.0	< 1.5	< 0.65

List of Chemical Substances Used in the Experiment:

CODE	CHEMICAL MATTER	CAS NUMARASI	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	Sulfur-containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	diethylamine	109-89-7	Amine
H	tetrahydrofuran	109-99-9	Heterocyclic and ether compound
I	Ethyl acetate	141-78-6	Ester
J	Ethyl acetate	142-85-5	Saturated hydrocarbon
K	Sodium hydroxide, 40%	1310-73-2	Inorganic base
L	Sulfuric acid, 96%	7664-93-9	**Inorganic mineral acid**

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-2113	6-6.5	8680907971560	144 Pairs	28 x 38 x 40cm	12.00kg.
STL-2113	7-7.5	8680907957786	144 Pairs	28 x 38 x 40cm	12.40kg
STL-2113	8-8.5	8680907957793	144 Pairs	28 x 38 x 40cm	13.00kg.
STL-2113	9-9.5	8680907957809	144 Pairs	28 x 38 x 40cm	14.30kg.
STL-2113	10-10.5	8680907957816	144 Pairs	28 x 38 x 40cm	15.75kg.