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Data Sheet

E-375 Nitrile Glove

These gloves are both durable and comfortable thanks to their full nitrile coating, which provides excellent grip in both dry and wet environments, and their seamless nylon + polyester liner. They offer high resistance to abrasion and tearing. Ideal for use in construction, glass, metal, and petrochemical industries. These gloves protect the palms of workers who come into contact with pesticide residues remaining on plants after pesticide application.

Glove Coating
Coated with nitrile material that prevents the penetration of liquids.

NBR

Marking Area
Includes all information required by European standards.

Wrist Area
Ensures a secure fit on the hand and protects the wrist by wrapping it against external factors. Prevents the glove from slipping off during use.

Cuff Edge Color
IThe cuff is color-coded to allow easy identification of glove size

9/L
10/XL

Technical Specifications

Lining Material	15-G Polyester + Nylon
Coating Material	Nitrile
Color	Blue
Sizes	9/L, 10/XL
Box Quantity	72 Pairs
Packaging	6 Pairs
Category	CAT III
Standards	EN 388:2016+A1:2018 (4242B) EN 407:2020 (X1XXXX) ISO 18889:2019 (GR) EN ISO 21420: 2020

Sanitized®
More than clean

The product has been disinfected from all harmful chemicals.
It is antibacterial.

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COATED AREA AND LINING MATERIAL

Indicates coated parts.

NITRILE COATING

These gloves protect hands from liquid spills thanks to their full nitrile coating on the palm. They protect against bases, oils, grease, animal fats, and many solvents. They are specifically designed for working in oily environments.

POLYESTER + NYLON LINING

The polyester and nylon lining gives the glove lightness, flexibility, and high durability. Its sweat-proof structure ensures comfort during long-term use and conforms to the shape of the hand for comfortable use.

STANDARDS

These gloves are designed to protect hands against mechanical and high-risk hazards as defined in PPE Regulation (EU) 2016/425. This product has passed the tests according to EN ISO 21420 (General requirements and inspection methods for protective gloves), EN 388 (Protection against mechanical risks), EN 407 (Protection against thermal risks), and ISO 18889 (Protective gloves for pesticide operators and post-spray field workers).

EN ISO 21420 :2020

EN 388:2016 +A1:2018

4242B

EN 407:2020

X1XXXX

GR

ISO 18889:2019

CE 0598

Areas of Usage

- Woodwork
- Building and Construction
- Glassware
- Automotive and Transportation
- Metal Production
- Machine and Equipment
- Logistics and Warehousing

Suitable for use in wood, wood product, and cork product manufacturing; paper and paper product manufacturing; iron, steel, and metal product manufacturing; general-purpose machinery manufacturing; aircraft, railway, and automotive transportation route manufacturing; building and exterior construction work; transportation and storage work; and glass and glass product manufacturing, as well as for work requiring grip and mechanical work. This glove category is suitable only for post-spray gardening/field activities where fingertip and palm protection is deemed sufficient.

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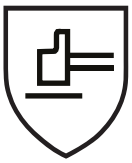
STANDARD REMARKS

EN 388:2016



a b c d e f

EN 388:2016 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 ISO 21420. 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.

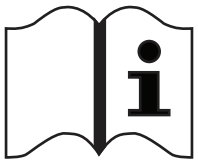
Note - Gloves that meet the specifications for puncture resistance may not be suitable for protection against sharp-pointed objects such as hypodermic needles.

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 ISO 212420 :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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STANDARD REMARKS

EN 407 :2020

EN 407 Protection Against Temperature Risks (Heat and / or Fire)
This standard covers the properties of heat and / or fire protection gloves, the methods of testing, the information and marking required to be provided.
For protective gloves against thermal risks, the performance levels in the main pictogram are given in the following order.

a: Burning behavior (post-flame and after burning) (0-4)
b: Contact heat (contact temperature & threshold temperature) (0-4)
c: Convective heat (heat transfer index) (0-4)
d: Radiant heat (heat transfer) (0-4)
e: Small splashes of molten metal (0-4)
f: Large quantitites of molten metal (0-4)
NOTE: *Using an X instead of a number means "the glove is not produced for the intended use."*

PERFORMANCE LEVELS		1	2	3	4
a. Resistance to burning behavior	After flare time (s)	≤ 20s	≤ 10s	≤ 3s	≤ 2s
	After glow time (s)	-	≤ 120s	≤ 25s	≤ 5s
b. Contact heat resistance	Contact temperature (°C)	100˚C	250˚C	350˚C	500˚C
	Threshold time (s)	≥ 15s	≥ 15s	≥ 15s	≥ 15s
c. Convection heat resistance (s)		≥ 4s	≥ 7s	≥ 10s	≥ 18s
d. Radiant heat resistance (s)		≥ 7s	≥ 20s	≥ 50s	≥ 95s
e. Resistance to small splashes of molten metal (drops)		≥ 10	≥ 15	≥ 25	≥ 35
f. Resistance to large quantity of molten metals (mass)		30g	60g	120g	200g

Protective Gloves for Pesticide Users
Glove Classification

GR – Partial Protection, Chemically Resistant Gloves
GR-type gloves are designed to protect the palms of workers who come into contact with dry or semi-dry pesticide residues on plants after pesticide application. This category is suitable for use in gardening and fieldwork where protection of only the fingertips and palm area is sufficient.

G1 – Chemically Resistant Gloves – Low Risk
G1 gloves are suitable for tasks involving lower levels of hazard. They are not suitable for use in high pesticide concentrations or in work environments with mechanical risks.

G2 – Chemically Resistant Gloves – High Risk
G2 gloves are preferred in environments with higher levels of risk. They can be used when working with diluted or concentrated pesticides. They are also suitable for tasks requiring chemical protection where only minimal mechanical resistance is needed.

** For more detailed information on Standards, you can obtain **EN European Glove Standards Guidelines** from www.starlinesafety.com.*

STANDARD REMARKS

TEST METHOD: ISO 19918

The amount of chemical that penetrates the glove material in a certain period of time (μg / cm2)
Measure the cumulative permeability in

Chemical Used:

EC-DY, which replaces harmful pesticides

Contact time:

- G1, G2, GR GLOVES: 1 HOUR with 2.5% diluted ED-DY, which replaces harmful pesticides.
- G2 Gloves: 15 Minutes
  With EC-DY, which replaces concentrated harmful pesticides

PERFORMANCE REQUIREMENTS

			Requirements		
Protection	**Test**	**Standard**	**G1**	**G2**	**GR**
Chemical	Permeation	EN 374-2	Rust	Pass	No requirement
	Permeation	EN ISO 374-1	Minimum Type C ≤ 10 μg/cm² With diluted pesticides	Minimum Type B ≤ 1 μg/cm² Wiht diluted and concentrated hazardous pesticides	≥Level 2 with the K letter code ≤ 1 μg/cm With diluted pesticides
Mechanical	Wear	EN 388	No requirement	≥ Level 2	≥ Level 2
	Cut			≥ Level 1 or ≥ Level A	≥ Level 1 or ≥ Level A
	Tearing			No requirement	≥Level 1
	Puncture			≥ Level 1	≥ Level 1

** For more detailed information on Standards, you can obtain **EN European Glove Standards Guidelines** from www.starlinesafety.com.*

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User Information

Care and Cleaning

Both new and used gloves must be carefully inspected before use to ensure they are free from any damage. If gloves are intended for reuse, they should not be left in a contaminated state. In such cases, gloves should be cleaned as thoroughly as possible. Where appropriate, decontamination can be performed under lukewarm water (not exceeding 40°C) using laundry soap or detergent.

Service Life

Gloves should be used within five years from the date of manufacture. The service life of the glove can be affected by several factors such as exposure to cold, heat, chemicals, sunlight, and improper storage.

Storage

Proper storage is an essential part of glove maintenance but is often overlooked. When not in use or during transport, gloves should be kept in their original packaging, protected from direct sunlight, chemicals, abrasive substances, and physical damage from hard surfaces or sharp objects. The product should be stored in a dry and well-ventilated area. Excessive humidity or intense light in the storage environment may adversely affect product quality.

Order Information

MODEL	Size	Barcode	Box Quantity	Koli Ebadı	Box Weight
E-375	9 / L	8680907007597	72 Pairs	45x53x24cm	10.80kg.
E-375	10 / XL	8680907007603	72 Pairs	45x53x24cm	11.25kg.