

## E-2050 Food Safe Nitrile Gloves

These gloves provide protection in environments where food is prepared or processed in a dry or wet environment, food-oriented machines are handled, cleaned, repaired. Nylon lining allows hands to breathe. They do not contain any active antimicrobial ingredients.

**● Marking Field Includes**  
It contains all the information that must be given according to European norms. The label is sewn inside the glove.

**Glove Coating**  
It is covered with thin and durable nitrile material which prevents liquid leakages.



**Elastic Wrist**  
It is designed to keep the glove stable and prevent penetration of external materials into glove.

**Binding Color**  
Color separation has been made on the wristband part so that the size separation can be easily detected.

● 8/M ● 9/L ● 10/XL

### ● Technical Specifications

Lining Material	HPPE, Nylon & Lycra
Coating Material	Nitrile
Color	Blue
Sizes	8/M, 9/L, 10/XL
Units per Package	72 Pairs
Packaging	12 Pairs
Category	CAT II
Standards	EN 388:2016+A1:2018 (4443C)
	EN 407:2020 (X1XXXX)
	EN ISO 21420: 2020

# STARLINE

## COATED AREA AND LINING MATERIAL



■ Indicates coated parts.

### NITRILE COATING

**NBR**

Thanks to the fully micro-foam nitrile coating on the palm, it protects hands from liquid leaks. It protects from bases, oils, grease, animal oils and many solvents. The second layer coating provides superior wet and dry grip.

### HPPE, NYLON & LYCRA LINING

HPPE, nylon and lycra mixed lining offers excellent comfort during applications where objects are held. It is suitable for use in work where there is a risk of cutting.

## STANDARDS

These gloves are intended to protect the hands against mechanical hazards as defined in the PPE Regulation (EU) 2016/425. This product is certified as per EN ISO 21420 (General requirements and inspection methods for protective gloves), EN 388 (Mechanical Risk Protection) and EN 407 (Protective gloves against thermal risks).

EN 388:2016  
+A1:2018



4443C

EN 407:2020



X1XXXX

EN ISO 21420  
:2020



## Areas of Usage



Food Sector



Meat Industry



Fishery

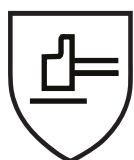


Milk Industry

It is suitable for use during the manufacture of food products. They can be used in processes that prevent contamination of foodstuffs.

## 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 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](http://www.starlinesafety.com).

## STANDARD REMARKS

**EN 407**  
**:2020**



**abcdef**

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

## ● User Information



### 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
E-2050	8/M	8680907969154	72 Pairs	28.5x39,5x30,5cm	5.50 kg.
E-2050	9/L	8680907969161	72 Pairs	28.5x39,5x30,5cm	6.00 kg.
E-2050	10 / XL	86809079699178	72 Pairs	28.5x39,5x30,5cm	6.60 kg.