

### E-46-MS Nitrile Glove

These gloves have strong grip properties to keep objects in dry or wet environments. It is more comfortable thanks to its polyester lining. Thanks to its nitrile coating, it offers liquid impermeability and superior properties.



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

**Glove Coating**  
It is coated with nitrile material which prevents the penetration of liquids.



**Elastic Wrist Strap**  
It is designed to keep gloves fitted and to prevent exterior substances from penetrating into the gloves.

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

- 9/L
- 10/XL

### Technical Specifications

|                   |  |
|-------------------|--|
| Lining Material   | 13-G Polyester                                   |
| Coating Material  | Nitrile  |
| Color             | Blue, Black                                      |
| Sizes             | 9/L, 10/XL                                       |
| Units per Package | 240 Pairs  |
| Packaging         | 1 Pairs  |
| Category          | CAT II   |
| Standards         | EN 388:2016+A1:2018 (4121X)<br>EN ISO 21420:2020 |

# STARLINE

## COATED AREA AND LINING MATERIAL



 Indicates coated parts.



### NITRILE COATING **NBR**

These gloves protect the hands from liquid penetration through the full nitrile coating on the palm side and also provides protection against alkalies, oils, greases, animal fats and many other solvents.



### POLYESTER LINING

Seamless polyester lining provide excellent comfort during applications where objects are held and mounted. Provides protection against sweating through its excellent air permeability.

## STANDARDS

These gloves protect hands against mechanical hazards defined in PPE Directive (EU) 2016/425. It was designed for. This product complies with EN ISO 21420:2020 (General requirements and requirements for protective gloves). inspection methods) and EN 388:2016 +A1 2018 (Protection Against Mechanical Risks) tests.

EN 388:2016  
+A1 2018



4121X

EN ISO  
21420:2020



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

## Areas of Usage



Woodwork



Building and Construction



Glassware



Automotive and Transportation



Metal Production



Machine and Equipment



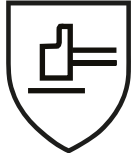
Logistics and Warehousing

These gloves are suitable for use in manufacturing of wood, wood products and cork products, manufacturing of paper and paper products, manufacturing of iron, steel and metal products, manufacturing of general purpose machines, manufacturing of planes or transport roads such as railways, automobiles, construction works in and outside of buildings, transportation and storage works, handling of glass and glass products and mechanical works.

# STARLINE

## STANDARD REMARKS

EN 388:2016  
+A1 2018



abc def

### EN 388:2016 +A1 2018 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 ISO  
21420:2020



### EN ISO 21420:2020 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



## 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 it 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-46-MS (Blue-Black) | 9/L   | 8698547317532 | 240 Pairs    | 48 x 38 x 40cm | 13.64 kg   |
| E-46-MS (Blue-Black) | 10/XL | 8698547304150 | 240 Pairs    | 48 x 38 x 40cm | 14.54 kg   |