

## **PrEN1082-1**

Chain mail gloves and arm guards protection against cuts and stabs by hand knives - chain mail gloves and arm guards

**Reference number:** EN 1082-1:1997

**Status:** European Standard

**Scope:** This standard specifies the requirements and tests for chain mail gloves and arm guards against cuts and stabs by hand knives

### **Requirements**

- Dimensions of the protective surface area of gloves and arm
- Gloves shall be marked with their size based on the hand size they are designed to fit with the colour coded strap.

Colour code	Corresponding glove sizes
Brown	5-5,5
Green	6-6,5
White	7-7,5
Red	8-8,5
Blue	9-9,5
Orange	10

- Construction: rings of chain mail with an internal diameter no greater than 3,2 mm, dimensions of interstices that gauge with diameter 6,0 mm is unable to pass
- Mass: less than 4 kg/m<sup>2</sup>
- Cleaning temperatures stability:
  - Maximum cleaning temperature has to be marked in the information. If this temperature is below 82°C it has to be marked on the item
- Dimensional stability < 10%

## **Mechanical requirements**

- Tensile strength: chain mail > 100 N
- Attachment of arm guards > 150 N
- Penetration resistance:
  - Chain mail: mean penetration < 10 mm and no single penetration < 17 mm
  - Rigid plastic or metal arm guards: mean penetration < 12 mm and no single penetration < 15 mm
  - Rigid arm attachment: mean penetration < 12 mm and no single penetration < 15 mm

## **Marking**

According to EN420

- Name or identification of the manufacturer or importer
- Manufacturer's type designation or style number
- Size designation
- Maximum permissible cleaning temperature if this is below 82°C

## **Pictogram**



## **Information for the user**

According to EN420.

- A statement of the types of work for which the product is suitable
  
- How to collect the correct size
  
- How to position and adjust
  
- A warning to shorten the free ends of straps to 25 mm
  
- Instructions for cleaning and sterilisation
  
- A warning about effects on the level of protection due to ageing, wear, etc...
  
- Instructions for examination, tests and action when a ring or rings are lost from the chain
  
- Instructions on how to recognise plastic degradation