STARLINE

DATA SHEET

E-1311 Welding Gloves

It is designed for use in welding works. It provides suitable protection thanks to its high wear resistance. It has high combustion resistance. It has extra reinforcement in the palm. The fact that all seams are made of fireproof aramid yarn increases the strength.

Reinforcement Area
Reinforced leather is added to the palm to increase the strength of the glove.

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

Sewing Material
All stitches were made with non-combustible aramid yarn to increase the strength in welding work.

Technical Specifications

Palm Material*	Split Leather
Glove Back Material	Split Leather
Lining Material	Jean
Size / Length	10/XL / 35cm
Carton Content	30 Pairs
Packaging	1 Pair
Category	CAT II
Standards	EN 388:2016+A1:2018 (4244X) EN 407:2020 (413X4X) EN ISO 21420: 2020 EN ISO 12477:2001+A1:2005 TypeA

*** Starline products do not contain pig leather.**

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REINFORCEMENT AREA AND LINING INFORMATION

Reinforced Area

REINFORCEMENT AREA

These gloves are sewn in one piece. In the palm and thumb, there is a reinforced grain leather sewn with aramid yarn for extra protection.

Aramid Yarn: It is very strong due to its natural structure and prevents the sewing places from being easily removed.

JEAN LINING

Jean lining allows the hands to work comfortably.

STANDARTLAR

These gloves are designed to protect hands against mechanical hazards as defined in PPE Regulation (EU) 2016/425. This product has passed the tests of EN ISO 21420 (General requirements and inspection methods for protective gloves), EN388 (Protection Against Mechanical Risks) and EN 407 (Protection Against Thermal Risks) and 12477 (Protective Gloves for Welders).

EN 388:2016 +A1:2018

4244X

EN ISO 21420:2020

EN 407:2020

413X4X

CE

EN 12477:2001+A1:2005 TypeA

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

Areas of Use

- Construction and Building
- Automotive and Transportation
- Mine
- Cleaning
- Logistic and Storage
- Wood

It is used in many industrial welding operations, transportation and cutting of metal parts, installation and coating processes, heavy metal operations, injection molds, cold and hot parts use, repair mining, cargo handling and iron and steel industry. It is suitable for use in automotive and iron and steel industries during deburring and hot metal operations and when working with sharp edged sheets and metals.

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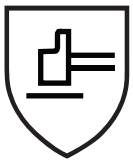
STANDARD REMARKS

EN 388:2016



a b c d e f

EN 388 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.

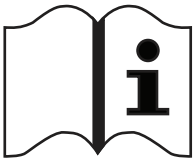
Note - Gloves that meet the specifications for puncture resistance may not be suitable for protection against sharp-pointed objects such as hypodermic needles.

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 420



EN 420 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.*

STANDARD REMARKS

EN 407

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

EN 12477 Protective Gloves for Welders
This standard is used for protective gloves used in manual metal welding, cutting and alloying. Protective gloves for welders protect the welder's wrists and hands during welding. Provides protection against splashing of small molten metals, exposure to limited flame exposure, exposure to background radiation, contact heat and UV flux. In addition to this, the space also provides protection against damage.

They are classified into two types according to their performances:
• Type A: Low adequacy (Other performance is higher)
• Type B: High enough (Other performance less)
NOTE: Protective gloves for special welding operations are outside this scope.

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Maintenance and Cleaning

We recommend cleaning the gloves with a brush made of synthetic materials. The glove cleaner should not be made from hard and spoiled materials. It should definitely not be hand-washed and washed in the washing machine. It is the user's responsibility to check that the product is suitable for the intended use prior to use, is complete and that its protective functions are sound. The user must carry out an inspection against possible defects which may adversely affect the protection functions (holes, tears, damaged joints, etc.).

Service Life

The gloves must be used within five years from the date of manufacture. The life span of the glove affects many factors such as cold, hot, chemicals, sunlight, and improper storage.

Storage

Storage is part of maintenance and cleanliness; but are often overlooked. It must be stored in its original packaging that will keep the glove away from direct sunlight, chemicals and corrosive materials during shipment or during shipment and protect it from physical damage of hard surfaces or materials. The product should be stored in a dry and well-ventilated place. If there is too much moisture or intense light in the environment, the product may adversely affect quality.

Order Information

MODEL	Size	Barcode	Box Quantity	Box Dimesion	Box Weight
E-1311	10 / XL	8680907753821	30 pairs	39 x 48 x 30cm	12.00 kg.