

PrEN12477

Protective gloves for welders

Reference Number: prEN 12477:1996

Status: Draft European Standard

Scope: This draft standard specifies the requirements and the test methods for gloves used for welding, cutting and similar techniques. The magnitude of the risks for the hands of welders depends on the welding process used. The required performance can be different according to the applications covered.

General

- Design and construction: see the general requirements for protective gloves (EN420), except for the length of the gloves.

Size	6	7	8	9	10	11
Minimal length	300 mm	310 mm	320 mm	330 mm	340 mm	350 mm

Specific Requirements

- Two types: type A and type B.
- Type B are advised when better dexterity is required, for example for TIG welding.

Requirement	EN	type A	Type B
Electric isolation	EN1149-2	$R \geq 10^{6\Omega}$	$R \geq 10^{5\Omega}$
Abrasion resistance	EN388	2 (500 cycles)	1 (100 cycles)
Cut resistance	EN388	1 (1,2)	1 (1,2)
Tear resistance	EN388	2 (25N)	1 (10N)
Puncture resistance	EN388	2 (60N)	1 (20N)
Burning behaviour	EN407	3	2
Contact heat	EN407	1 (T=100°C)	1 (T=100°C)
Convective heat	EN407	2 (HTI ≥ 7)	0
Metal splashes	EN407	3 (25 drops)	2 (15 drops)
Dexterity	EN420	1 (< ? 11mm)	4 (< ? 6,5mm)

Marking

According to EN420 and prEN12477.

Each glove has to be marked with the number of the standard (prEN 12477), followed by the letter of the type (A or B).

The smallest packaging has to be marked with the pictogram of gloves for protection against thermal risks and (optional) mechanical risks with the number of this standard. Each pictogram is followed by the levels of performance according to EN407 and EN388.

Information for the user

According to EN420.

Pictograms

