

Protective gloves for fire-fighters

Reference number: EN 659: 1996

Status : European Standard

Scope: This standard defines minimum performance requirements and test methods for fire-fighters' protective gloves.

Comments: protective gloves for special fire-fighting operations, such as these covered by EN 1486, or for interventions involving a contact with oils and chemicals are outside the scope of this standard

CONTENT

General requirements:

Fire-fighter's protective gloves shall comply with the general requirements of EN 420, except for the minimum length as specified:

Hand size	6	7	8	9	10	11
Glove length (mm)	260	270	280	290	305	315

- When the gloves or parts of them are made from different materials, these materials shall be tested separately.
- Size designation: based on hand size (6-11)(determined by hand circumference and length)
- The gloves shall be compatible with the sleeves of the protective clothing
- Dexterity: performance level 1 based on a practical test, picking up of a small steel rod of 11mm diameter EN 420.

Mechanical requirements

According to EN 388

Property	minimum performance level
Abrasion	1 (500 cycles)
Cut resistance	1 (index 2,5)
Tear resistance	2 (25 N)
Puncture resistance	1 (60 N)

Thermal requirements:

Property	Requirement	Standard
Burning behaviour	Level 4	EN 407 after flame time \leq 2s after glow time \leq 5s
Convective heat	Level 3 : HTI \geq 10s	EN 407
Radiant heat	$t_2 \geq$ 15 s	EN 366 : 20 kW / m ²
Contact heat	$t_2 \geq$ 10 s	EN 407
Heat resistance	shall not melt, drip	Annex A of lining or ignite

Marking:

According to EN 420

Each gloves should shown this standard number : EN 659.

Information for the user:

According to EN 420

Pictogram:

