

Flammability Resistance

EN 407



Heat Resistance

EN 407



# PROTECTION AGAINST HEAT AND FIRE







The use of suitable protective equipment is crucial when dealing with hot materials or other thermal hazards. The EN 407 Standard was updated and the PPE Regulation 2016/425 was recently established to provide enhanced assessment of PPE for hand protective equipment.

### Adopting the revised EN 407:2020 Standard

The standard was modified to include hand protective equipment for private use such as potholders, oven mitts, etc.

- EN 388 requirements were adjusted: EN abrasion 1 deleted
- Gloves shall meet at least EN tear Level 1
- Minimum length requirement added for protection against molten splashes

### Improved Test Methods

PERFORMANCE LEVEL		1	2	3	4
A	 <b>Limited Flame Spread</b> After flame time and after glow time (finger & seams areas) Ignition time is 10 seconds	<15s no require	< 10 s < 120 s	< 3 s < 25 s	< 2 s < 5 s
B	 <b>Contact Heat (10°C increase)</b> Contact temperature and Threshold time (glove palm and, where relevant, other areas)	100 °C > 15 s	250 °C > 15 s	350 °C > 15 s	500 °C > 15 s
C	 <b>Convective Heat (24°C increase)</b> Heat Transfer index (glove palm & back)	> 4 s	> 7 s	> 10 s	> 18 s
D	 <b>Radiant Heat (24°C increase)</b> Heat transfer (back of glove)	> 7 s	> 20 s	> 50 s	> 95 s
E	 <b>Small Drops Of Molten Metal (40°C increase)</b> Number of droplets (glove palm & back & cuff) Minimum glove length required	> 10	> 15	> 25	> 35
F	 <b>Large Quantities Of Molten Metal (damage to a simulated PVC skin)</b> Mass of molten iron (glove palm & back & cuff) Minimum glove length required Glove should be removable within 3 seconds for Level 3 or 4	30g	60g	120g	200g

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