

FLASH PRO PREMIUM

Textile firemen's (protective) gloves in accordance with EN 659:2008-06



August Penkert
Technische Leder- und
Kunststoffherzeugnisse

- palm, reversible knitted fabric made from 60% meta-aramid/40% para-aramid with an elastic, flame-retardant silicone coating (area weight approx. 520 gr/m²)
- the back of the hands is made from a fabric consisting of 50% Nomex® anti-static/50% FR viscose, Paris blue (approx. 275 gr/m²) with an elastic, flame-retardant silicone coating up to (and incl.) the knuckle protector
- Eurotex® insert as a moisture barrier (PU membrane)
- heat resistant felt Needlona® is made from 100% para-aramid as a heat insulator, Needlona KR122 in the palm area (approx. 120 gr/m²), silica fibre needle fleece (approx. 480 gr/m²) on the upper side of the hand and in the gauntlet
- interlock knit made from para-aramid as additional insulation in the hand part (approx. 200 gr/m²)
- gauntlet insulation is made from 70% Nomex/30% FR viscose, grey melange, (approx. 175 gr/m²)
- gathered padding in the finger and knuckle area, reversible knitted fabric made of 60% meta-aramid/40% para-aramid
- 3M reflective stripes (yellow/silver/yellow) on the back of the gauntlet
- deflectable Velcro closure on the opening of the gauntlet
- karabiner hook and an eyelet, can be supplied in sizes 7-13

Performance data

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	Requirement	Result
abrasion resistance	at least LS 3	LS 3
resistance to cuts	at least LS 2	LS 3
resistance to further tearing	at least LS 3	LS 3
resistance to puncturing	at least LS 3	LS 3
characteristic behaviour when burnt	LS 4	LS 4
convective heat (underside of the hand)	LS 3=at least 13s	LS 4= 24,0s
convective heat (topside of the hand)	LS 3=at least 13s	LS 4=37,7s
radiant heat	at least 22s	32,3s
contact heat, dry 250°C	at least 10s	25s
contact heat, wet 250°C	at least 10s	16s
heat-shrink properties		
at 180°C	≤ 5%	reached
(lengthwise -0.3% crosswise -0.8%)		
dexterity factor	at least LS 1	LS 5
seam strenght	at least 350 N	430 N
removal of the glove, in dry conditions	≤ 3s	1s
removal of the glove, in dry conditions	≤ 3s	2s
penetration of chemicals - no penetration		

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