

Flame stop - trousers

Description	<ul style="list-style-type: none"> • 2 back pockets; • 2 wide front pockets; • adjustable kneepad pockets; • rule pocket; • side pocket; • YKK[®] zip; • "ATEX" embroidery on the side pocket;
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Maintenance	<p>Maximum wash temperature: 60°C; do not bleach; drying in tumble dryer allowed; medium iron temperature 150 °C; dry cleaning allowed.</p> <div style="text-align: center;"> </div>
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item	V261-0-02 (navy)
Standards:	EN ISO 13688:2013
Sizes	44-64 (EU), 38-58 (E), 38-58 (F), C44-C64 (Scandinavian sizes), 30-46 (UK-US)

SAFETY TECHNICAL SPECIFICATIONS

	Test method	description	Cofra result	Minimum requirement / range
Background fabric	EN ISO 1833-1977, SECTION 10	Composition:	98% cotton - 2% carbon , with flame retardant treatment	
	EN ISO 12127:1996	Weight per unit area	310 g/m ²	
	EN ISO 11612:2015 6.2 (ISO 17493)	Heat resistance 180°C after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Fabric did not ignite or melt. Max shrink 1.1%	Any layer can ignite Any layer can melt Any layer shrink more than 5%. The closings must work after the test

EN ISO 11612:2015 6.3.2 (EN ISO 15025 Method A)	Equipment for determination of limited flame spread – as received	LEVEL ACCORDING EN ISO 11612:2008 A1 (Face ignition)	- No flaming to edge - No hole formation - No flaming or molten debris
EN ISO 11612:2015 6.3.2 (EN ISO 15025 Method A)	Equipment for determination of limited flame spread- after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	LEVEL ACCORDING EN ISO 11612:2008 A1 (Face ignition)	- Afterglow time ≤ 2s - Afterflame time ≤ 2s
EN ISO 11612:2015 6.3.3 (EN ISO 15025 Method B)	Equipment for determination of limited flame spread – as received	LEVEL ACCORDING EN ISO 11612:2008 A2 (Edge ignition)	
EN ISO 11612:2015 6.3.3 (EN ISO 15025 Method B)	Equipment for determination of limited flame spread- after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	LEVEL ACCORDING EN ISO 11612:2008 A2 (Edge ignition)	
EN ISO 11612:2015 6.4 (ISO 5077)	Determination of dimensional change	Warp : -3.0% Weft : -2.5%	±3%
EN ISO 11612:2015 6.5.1 (ISO 13934-1)	Tensile strength after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Warp : 973 N Weft: 743 N	≥ 300N
EN ISO 11612:2015 6.5.2 (EN ISO 13937-2)	Tear strength after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Warp : 15 N Weft : 17 N	≥ 10N
EN ISO 11612:2015 7.2 (ISO 9151)	Convective heat (code letter B) after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Specimen HTI24 1 6.0 s 2 6.0 s 3 5.9 s LEVEL B1	Level HTI24 B1 ≥ 4.0s B2 ≥ 10.0s B3 ≥ 20.0s
EN ISO 11612:2015 7.3 (EN ISO 6942 Method B 20kW/m ²)	Radiant heat (code letter C) after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Specimen RHTI24 1 13.9 s 2 14.6 s 3 13.3 s LEVEL C1	Level RHTI24 C1 ≥ 7.0s C2 ≥ 20.0s C3 ≥ 50.0s C4 ≥ 95.0s
EN ISO 11612:2015 7.5 (ISO 9185)	Molten iron splash (code letter E) after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	Spec. g Skin Simulant 1 124 Damaged 2 60 Undamaged 3 62 Undamaged 4 63 Undamaged 5 62 Undamaged LEVEL E1	Level Fe E1 ≥ 60g E2 ≥ 120g E3 ≥ 200g
EN ISO 11611:2015 6.8 (ISO 9150)	Impact of spatter after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	CLASS 1 No ignition 22 drops	No ignition Class 1 ≥ 15 drops Class 2 ≥ 25 drops
EN ISO 11611:2015 6.9 (EN ISO 6942)	Radiant heat after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	CLASSE 1 RHTI24 13.9s	Classe 1: RHTI24 ≥ 7s Classe 2: RHTI24 ≥ 16s

	EN ISO 11611:2015 6.10 (EN 1149-2)	Electrical resistance after Pre-Treatment 50 WASH/DRY CYCLES EN ISO 6330-6N(60°C)/F	$R = 5 \times 10^5 \Omega$	$R > 10^5 \Omega$
	UNI EN 1149-3:2004+ UNI EN 1149-5:2008	Induction decay	$t_{50} < 0.01 \text{ s}$ $S = 0.81$	$t_{50} < 4 \text{ s}$ $S > 0,2$
FLAMESTOP	EN ISO 11612:2015 6.5.4 (EN ISO 13935-2)	Determination of maximum force to seam rupture using the grab method	400 N	$\geq 225 \text{ N}$