

## Ring - trousers

- Description**
- knee and leg ergonomic design
  - Knee protection
  - side pocket
  - 2 back pockets



**Maintenance** maximum wash temperature: 60°C; do not bleach; drying in tumble dryer allowed; medium iron temperature: 150 °C; dry cleaning allowed



**item** V208-0-02 (navy)

**standards**  
EN 340/03



EN ISO 11612/08  
A1 B1 C1 E1



EN ISO 11611/07  
Class 1 A1



EN1149-5/08



EN 13034  
Type 6



EN 61482-1-2  
Class 1

**sizes** 46-66

## SAFETY TECHNICAL SPECIFICATIONS

	<i>Test method</i>	<i>description</i>	<i>Cofra result</i>	<i>minimum requirement / range</i>
<b>Background fabric</b>	EN ISO 1833-1977, SECTION 10	Composition:	88% cotton – 11% nylon – 1% carbon	
	EN ISO 12127:1996	Weight per unit area	310 g/mq	
	EN340: 2003 4.2(prEN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording	≤30 ppm

EN 340:2003 (ISO 105-E04:2008)	Solidez de color al sudor	Acidic	Alkaline	
	acetate	4-5	4-5	1-5
	cotton	4-5	4-5	1-5
	nylon	4-5	4-5	1-5
	polyester	4-5	4-5	1-5
	acrylic	4-5	4-5	1-5
	wool	4-5	4-5	1-5
UNI EN ISO 11612:2009 6.2 (ISO 17493:2000)	Heat resistance 180°C	Performance level according to EN ISO 11612:2008 valid Max shrink 1.7%		<i>Any layer can ignite</i> <i>Any layer can melt</i> <i>Any layer shrink more than 5%.</i> <i>The closings must work after the test</i>
UNI EN ISO 11612:2009 6.3.2 (UNI EN ISO 15025: 2000 Method A)	Equipment for determination of limited flame spread- after Pre-Treatment	LEVEL ACCORDING EN ISO 11612:2008 A1		<i>No Flaming to top or either side edge</i>  <i>No Hole formation</i>
UNI EN ISO 11612:2009 6.3.2 (UNI EN ISO 15025: 2000 Method A)	Equipment for determination of limited flame spread – as received	LEVEL ACCORDING EN ISO 11612:2008 A1		<i>No Melting</i>
UNI EN ISO 11612:2009 6.3.3 (UNI EN ISO 15025: 2000 Method B)	Equipment for determination of limited flame spread- after Pre-Treatment	LEVEL ACCORDING EN ISO 11612:2008 A2		<i>Afterglow time ≤ 2 s</i>  <i>After flame time ≤ 2 s</i>
UNI EN ISO 11612:2009 6.3.3 (UNI EN ISO 15025: 2000 Method B)	Equipment for determination of limited flame spread – as received	LEVEL ACCORDING EN ISO 11612:2008 A2		
UNI EN ISO 11612:2009 6.4 (ISO 5077:2007)	Determination of dimensional change	Warp : -0.4% Weft : +1.2%		<i>±3% max</i>
UNI EN ISO 11612:2009 6.5.1 (ISO 13934-1:1999)	Tensile strength	Warp : 1306 N Weft: 520 N		<i>≥ 300N</i>
UNI EN ISO 11612:2009 6.5.2 (UNI EN ISO 13937-2:2000)	Tear strength	Warp : 34.5 N Weft : 26.2 N		<i>≥ 15N</i>
UNI EN ISO 11612:2009 6.9.2 (ISO 3071:2005)	pH value	pH = 7,3		<i>3,5 ≤ pH ≤ 9,5</i>
UNI EN ISO 11612:2009 7.2(ISO 9151)	Convective heat (code letter B)	Specimen HTI24 1 6.8 s 2 6.9 s 3 6.6 s LEVEL B1		<i>Level HTI24</i> <i>B1 ≥ 4.0s</i> <i>B2 ≥ 10.0s</i> <i>B3 ≥ 20.0s</i>
UNI EN ISO 11612:2009 7.3 (UNI EN ISO 6942: 2004 Method B 20kW/m <sup>2</sup> )	Radiant heat (code letter C)	Specimen RHTI24 1 14.6 s 2 13.9 s 3 14.8 s LEVEL C1		<i>Level RHTI24</i> <i>C1 ≥ 7.0s</i> <i>C2 ≥ 20.0s</i> <i>C3 ≥ 50.0s</i> <i>C4 ≥ 95.0s</i>

UNI EN ISO 11612:2009 7.5 (ISO 9185:2007)	Molten iron splash (code letter E)	Spec. g	Skin Simulant	Level	Fe
		1 121	Damaged	E1	≥ 60g
		2 61	Undamaged	E2	≥ 120g
		3 61	Undamaged	E3	≥ 200g
		4 62	Undamaged		
		5 62	Undamaged		
		LEVEL E1			
EN ISO 14116:2008 (UNI EN ISO 15025: 2000 method A)	Equipment for determination of limited flame spread	index 3/5H/60			
UNI EN ISO 11611:2008 6.8 (ISO 9150:1988)	Impact of spatter	CLASS 1	No ignition		
		No ignition 19 drops	Class 1 ≥ 15 drops		
			Class 2 ≥ 25 drops		
UNI EN ISO 11611:2008 6.10 (UNI EN 1149-2)	Electrical resistance	R = 1.5 x 10 <sup>6</sup> ohm		R > 10 <sup>5</sup> ohm	
UNI EN 1149-3:2004	Induction decay	t50 < 0.01	t50 < 4		
		S = 0.47	S > 0,2		
EN 61482-1-2:2007	Electrical arc test (box test, metod 1)	Classe 1	Box Test 4KA		
			Afterflame time < 5s		
			Hole formation >5mm		
			No Melting through to the inside		
			STOLL-criterion for sample		
UNI EN 13034:2005 (EN 14325: 2004)	Repellency/Penetration by liquid chemicals	Index of repellency			
		96.2% CLASS 3	H2SO4		
		98.7% CLASS 3	NaOH		
		93.5% CLASS 2	o-Xylene		
		94.7% CLASS 2	Butan-1-ol		
		Index of penetration			
		0.0% CLASS 3	H2SO4		
		0.0% CLASS 3	NaOH		
		1.9% CLASS 2	o-Xylene		
		1.0% CLASS 2	Butan-1-ol		