

TECHNICAL SHEET

POLAR body warmer Description longer back side, **POLAR** hand pocket with fleece lining, internal pocket with zip, breast pocket with coated zip, loop for headset, mobile phone pocket with E-WARD, lining with shoulder part made of fleece, Reflective Material reflex inserts - 8910 Silver Fabric, adjustable foldaway hood, back wide pocket, side splits, wide front pockets, internal bottom zip, YKK® zip. V013-0-00 Khaki/black Maintenance Maximum wash temperature: 30°C; Do not bleach; V013-0-01 Grey/black Do not dry in a tumble dryer; Do not dry clean; Do not V013-0-02 Navy/black iron. Item V013-0-03 Clay brown/black V013-0-04 Anthracite/black **\3007** V013-0-05 Black/black EN ISO 13688:2013 **OEKO-TEX®** WARNING: DO NOT IRON THE REFLEX INSERTS! Standards STANDARD 100 Tosted for harmful substances www.oeko-6ex.com/standard100 Sizes 44 - 64

SAFETY TECHNICAL SPECIFICATIONS

	Test method	description	Cofra result	minimum requirement / range
Background and colour insert fabric	EN ISO 1833-1977, SECTIONE 10	Composition:	100% polyurethane coated polyester	
	EN ISO 12127:1996	Weight per unit area	200 g/m ²	
	EN ISO 13688:2013 4.2 (EN 1413)	The pH's determination from the watery extract	pH: 5.6	3,5≤PH≤9,5
	EN ISO 13688:2013 4.2 (EN 14362-1:2012)	Search of the aromatic and carcinogenic amines	Not recording	≤30 ppm
	EN ISO 13688:2013 5.3 (EN ISO 6630 / ISO 5077)	Dimensional change to washing (4N/40°C)	warp: -0.5% weft: 0.0%	±3%

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	ISO 105-C06	Colour fastness to Laundering at 60°C				1 - 5
		Colour change	4-5			
		Staining:				
		diacetate	4-5			
		cotton	4-5			
		nylon	4			
		polyester	4-5			
		acrylic	4-5			
		wool	4-5			
	ISO 105 E04	Colour fastness to perspiration	Acidic	Alkaline		
		Colour change	4-5	4-5		1 - 5
		Staining:				
		diacetate	4-5	4-5		
		cotton	4-5	4-5		
		nylon	4-5	4-5		
		polyester	4-5	4-5		
		acrylic	4-5	4-5		
		wool	4-5	4-5		
IS E 4	ISO 105-X12	Colour fastness to rubbing	Dry: 4 - 5 Wet: 4 - 5			1-5
	ISO 105-B02	Colour fastness to light (test with xenon arc lamp)	4			1-5
	EN 343:2003+A1:2007 4.2	Water penetration resistance - Wp [Pa]	> 8000 Pa		CLASS 1 CLASS 2	•
	(EN 20811)	(before each pretreatment)			CLASS 3	no test required
	EN 343:2003+A1:2007 4.2	Water penetration resistance - Wp [Pa]	> 13000 Pa (class 3)			no test required Wp ≥ 8.000 Pa
	(EN 20811)	(after each pretreatment)		,	CLASS 3 Wp ≥ 13.000 Pa	
	EN 343:2003+A1:2007	Water vapour resistance	10.6 (class 3)		CLASS 1	
	5.2	R _{et} [m ² Pa/W]			CLASS 2	$20 < R_{et} < 40$
	(EN 31092)				CLASS 3	R _{et} <20
	EN 343:2003+A1:2007	Tensile strength	warp: 1419 N weft: 1052 N			450 N
	4.4	ronono onongui				700 11
	(EN ISO 1421)		wort. To	302 14		
	EN 343:2003+A1:2007	Tearing strenght	warp: 2	52.78 N		25 N
	4.5	5 5	weft: 19			
	(EN ISO 4674)					
			D.4.00			
Reflex	EN ISO 20471:2013/A1:2016 6.1	Retro reflective performance requirements of new material	PASS			
3M™						
Scotchlite™ 8910 Silver Fabric	EN ISO 20471:2013/A1:2016 6.2	Requirements of retro reflective performance after tests for abrasion, flexion, folding at cold temperature, temperature variations, washing (50 cycles) and rain influence.	PASS		R´≥1	00 cd/(lx m²)

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E-Ward		Composition: PES/CO/MTF	65/33/2%
		Weight per unit area	215 g/mq
	MIL-Standard 285	Attenuation measurements for enclosures, electromagnetic shielding, for electronic test purposes	Reduction of 99,5% of the electromagnetic waves to the frequency of 200 MHz
			Reduction of 99% of the electromagnetic waves to the frequency of 2000 MHz
Padding		Composition:	100% Polyester
		Fabric mass per unit area	160 g/mq
Lining		Composition:	100% Polyester
Hood lining		Composition:	100% polyurethane coated polyester