




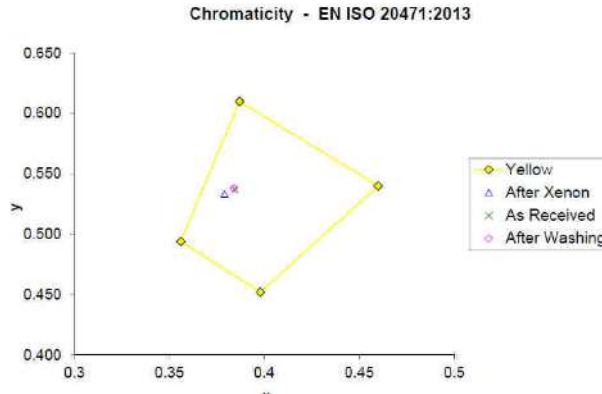
Telsen - parka

<p>Description</p>	<p>EXTERNAL PART:</p> <ul style="list-style-type: none"> • 1 chest pocket closed with zip; • 2 wide front pockets with Velcro; • badge pocket loop; • table hood; • thermo welded seams; • adjustable cuffs with velcro; • internal pocket. <p>INTERNAL PART:</p> <ul style="list-style-type: none"> • 2 wide front pockets with velcro; • badge pocket loop; • front opening with zip; • detachable sleeves with zip; • elasticated cuffs. 	
<p>Maintenance</p>	<p>Maximum washing temperature 30 °C; Do not bleach; Do not dry clean; Drying in the shade; Do not dry in a tumble dryer; Do not iron.</p>  <div style="background-color: yellow; padding: 5px; margin-top: 10px;">  WARNING: DO NOT IRON THE REFLEX INSERTS! </div>	<p>Item V419-0-03 yellow / navy</p> <p>Standards : EN ISO 13688:2013 EXTERNAL PART</p>  <p>INTERNAL PART WITH SLEEVES / WITHOUT SLEEVES</p>  <p>Sizes S – 4XL</p>

SAFETY TECHNICAL SPECIFICATIONS

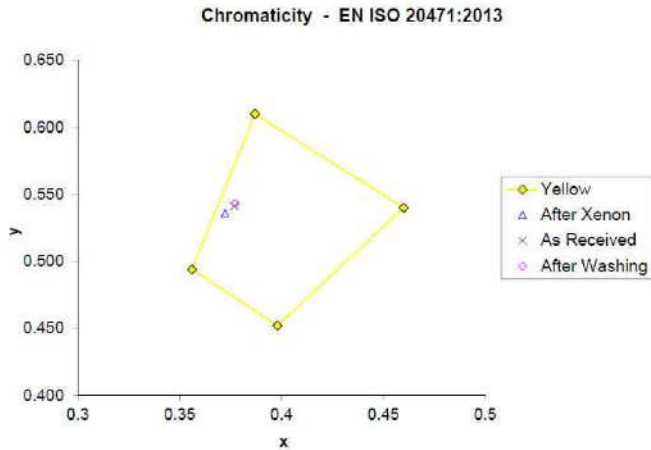
	Test method	description	Cofra result	Minimum requirement / range
EXTERNAL PART Background fabric	EN ISO 1833-1977, SECTION 10	Composition	100% polyester coated polyurethane	
	EN ISO 12127:1996	Fabric mass per unit area	175 g/mq	
	EN ISO 13688 :2013 4.2 (prEN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording	≤30 ppm

EN ISO 20471:2013	- Chromaticity and luminance of new material	$x = 0.384$ $y = 0.537$ $\beta_{min} = 1.06$	co-ord x 0.387	co-ord y 0.610
5.1			0.356	0.494
5.2	- Chromaticity and luminance after Xenon test	$x = 0.379$ $y = 0.534$ $\beta_{min} = 1.04$	0.398	0.452
7.5.1			0.460	0.540
	- Chromaticity and luminance after 5 washes cycles	$x = 0.384$ $y = 0.538$ $\beta_{min} = 1.06$	Minimum Luminance Factor $\beta_{min} > 0.7$	



EN ISO 20471:2013	Colour fastness to rubbing	Dry:	DRY:	
5.3.1	Staining	4-5	Staining 4	
(ISO 105-X12)				
EN ISO 20471:2013	Colour fastness to perspiration	Acidic	Alkaline	
5.3.2	Colour change	4-5	4-5	Colour change : 4
(ISO 105-E04)	Staining			Staining: 4
	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	
EN ISO 20471:2013	Colour fastness to Laundering at 40°C			
5.3.3	Colour change	4-5		Colour change: 4-5
(ISO 105-C06)	Staining			Staining: 4
	diacetate	4-5		
	cotton	4-5		
	nylon	4-5		
	polyester	4-5		
	acrylic	4-5		
	wool	4-5		
EN ISO 20471:2013	Dimensional change to washing	warp: -0.5%		$\pm 3\%$
5.4.1		weft: -0.0%		
(ISO 5077)				
EN ISO 20471:2013	Tensile strength	warp: 1400 N		$>100N$
5.5.3		weft: 1100 N		
(EN ISO 13934-1)				
EN ISO 20471:2013	Tear resistance of coated fabrics and laminates	warp: 164.32 N		$>20N$
5.5.3		weft: 171.59 N		
(ISO 4674-1 :2003)				

EXTERNAL PART Non fluorescent fabric	EN ISO 13688 4.2 (ISO 3071)	Determination of pH of aqueous extract	pH=6.8	3,5 ≤pH≤ 9,5		
	EN ISO 13688 4.2 (prEN 14362-1)	Search of the aromatic and carcinogenic amines	Not recording	≤30 ppm		
	EN ISO 20471:2013 5.3.1 (ISO 105-X12)	Colour fastness to rubbing <i>Staining:</i>	DRY: 5	DRY <i>Staining: 4</i>		
	EN ISO 20471:2013 5.3.2 (ISO 105-E04)	Colour fastness to perspiration <i>Colour change</i> <i>Staining</i>	Acidic 5	Alkaline 5	<i>Staining: 4</i>	
	diacetate	4-5	4-5			
cotton	4-5	4-5				
nylon	4-5	4-5				
polyester	5	5				
acrylic	5	5				
wool	5	5				
EN ISO 20471:2013 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 40°C <i>Colour change</i> <i>Staining</i>	5			<i>Staining: 4</i>	
diacetate	4-5					
cotton	4-5					
nylon	4-5					
polyester	4-5					
acrylic	4-5					
wool	4-5					
Reflex D 1002	EN ISO 20471 :2013 6.1	Retro reflective performance requirements of new material	PASS			
	EN ISO 20471 :2013 6.2	Requirements of retro reflective performance after tests for abrasion, flexion, folding at cold temperature, temperature variations, washing (25 cycles ISO 6330 at 60°C) and rain influence.	PASS	$R' \geq 100 \text{ cd}/(\text{lx m}^2)$		
Lining	EN ISO 1833-1977, SECTION 10	Composition	100% Polyamide			
INTERNAL PART Background fabric	EN ISO 1833-1977, SECTION 10	Composition	100% polyester coated polyurethane			
	EN ISO 12127:1996	Fabric mass per unit area	120 g/mq			
	EN ISO 20471:2013 5.1	- Chromaticity and luminance of new material	$x = 0.377$ $y = 0.541$ $\beta_{min} = 1.03$	<i>co-ord x</i> 0.387	<i>co-ord y</i> 0.610	
	5.2	- Chromaticity and luminance after Xenon test	$x = 0.372$ $y = 0.536$ $\beta_{min} = 1.04$	0.356	0,494	
7.5.1	- Chromaticity and luminance after 5 washes cycles	$x = 0.377$ $y = 0.543$ $\beta_{min} = 1.05$	0.398	0,452		
			0.460	0,540	<i>Minimum Luminance Factor</i> $\beta_{min} > 0.7$	



EN ISO 20471:2013 5.3.1 (ISO 105-X12)	Colour fastness to rubbing <i>Staining</i>	DRY 4-5		DRY <i>Staining 4</i>
EN ISO 20471:2013 5.3.2 (ISO 105-E04)	Colour fastness to perspiration <i>Colour change</i> <i>Staining</i>	Acidic 4-5	Alkaline 4-5	<i>Colour change : 4</i> <i>Staining: 4</i>
	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	
EN ISO 20471:2013 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 40°C <i>Colour change</i> <i>Staining</i>	4-5		<i>Colour change: 4-5</i> <i>Staining: 4</i>
	diacetate	4-5		
	cotton	4-5		
	nylon	4-5		
	polyester	4-5		
	acrylic	4-5		
	wool	4-5		
EN ISO 20471:2013 5.4.1 (ISO 5077)	Dimensional change to washing	warp: -0.5% weft: -0.0%		±3%
EN ISO 20471:2013 5.5.3 (EN ISO 13934-1)	Tensile strength	warp: 1200 N weft: 810 N		>100N
EN ISO 20471:2013 5.5.3 (ISO 4674-1 :2003)	Tear resistance of coated fabrics and laminates	warp: 90.12 N weft: 120.29 N		>20N

Padding

EN ISO 1833-1977, SECTION 10	Composition	100% Poliestere
EN ISO 12127:1996	Fabric mass per unit area	160 g/mq

TELSEN	EN ISO 20471:2013 4.1 * At least (50±10)% of the minimum area of visible background material shall be on the front part of garments	EXTERNAL PART Minimum required areas of visible material in m ² Size S	Class 3 Background material 0.93 m ² Retro reflective material 0.28 m ² * Maximum areas for logos, lettering, labels, etc. 0.13 m ²	<i>Background material</i> CLASS 3 = 0.80m ² CLASS 2 = 0.50m ² CLASS 1 = 0.14m ² <i>Retro reflective material</i> CLASS 3 = 0.20 m ² CLASS 2 = 0.13 m ² CLASS 1 = 0.10 m ²
	EN ISO 20471:2013 4.1 * At least (50±10)% of the minimum area of visible background material shall be on the front part of garments	INTERNAL PART WITHOUT SLEEVES Minimum required areas of visible material in m ² Size S	Class 2 Background material 0.56 m ² Retro reflective material 0.17 m ² * Maximum areas for logos, lettering, labels, etc. 0.06 m ²	<i>Background material</i> CLASS 3 = 0.80m ² CLASS 2 = 0.50m ² CLASS 1 = 0.14m ² <i>Retro reflective material</i> CLASS 3 = 0.20 m ² CLASS 2 = 0.13 m ² CLASS 1 = 0.10 m ²
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (before each pretreatment)	Wp > 8000 Pa	CLASS 1 Wp ≥ 8000 Pa CLASS 2 no test required CLASS 3 no test required
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - Wp [Pa] (after each pretreatment)	Class 3 Wp > 13000 Pa	CLASS 1 no test required CLASS 2 Wp ≥ 8.000 Pa CLASS 3 Wp ≥ 13.000 Pa
	EN 343:2003+A1:2007 5.2 (EN 31092)	Water vapour resistance. (External part) R _{et} [m ² Pa/W]	Class 1	CLASS 1 R _{et} > 40 CLASS 2 20 < R _{et} < 40 CLASS 3 R _{et} < 20
	EN ISO 20471:2013 5.6.3 (EN 31092)	Measurement of the thermal resistance and water vapor (Internal part) R _{ct} [m ² Pa/W] R _{et} [m ² Pa/W]	R _{ct} = 0.208 m ² Pa/W R _{et} = 80.1 m ² Pa/W IMT 0.156	Index of permeability to water vapor IMT ≥ 0.15