







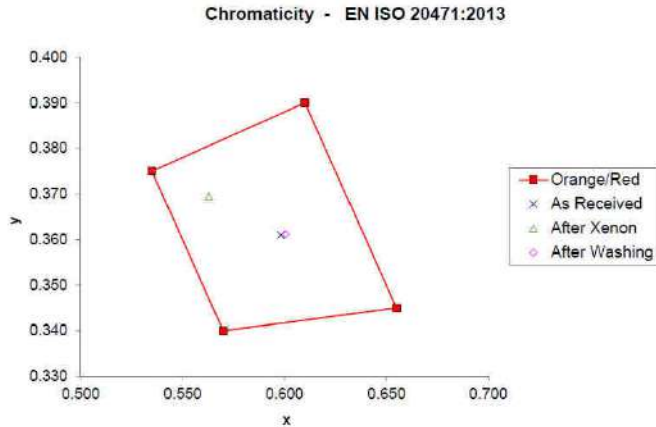
## Telsen - parka

<b>Description</b>	<p><b>EXTERNAL PART:</b></p> <ul style="list-style-type: none"> <li>• 1 chest pocket closed with zip;</li> <li>• 2 wide front pockets with Velcro;</li> <li>• badge pocket loop;</li> <li>• table hood;</li> <li>• thermo welded seams;</li> <li>• adjustable cuffs with velcro;</li> <li>• internal pocket.</li> </ul> <p><b>INTERNAL PART:</b></p> <ul style="list-style-type: none"> <li>• 2 wide front pockets with velcro;</li> <li>• badge pocket loop;</li> <li>• front opening with zip;</li> <li>• detachable sleeves with zip;</li> <li>• elasticated cuffs.</li> </ul>		
<b>Maintenance</b>	<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 data-bbox="295 1328 847 1391">  </div> <div data-bbox="456 1469 754 1561">  <p>WARNING: DO NOT IRON THE REFLEX INSERTS!</p> </div>	<p><b>Item</b></p> <p>V419-0-02 orange / navy</p> <p><b>Standards : EN ISO 13688:2013</b></p> <p>EXTERNAL PART</p> <div data-bbox="938 1294 1031 1391">  <p>3</p> </div> <p>EN ISO 20471:2013</p> <div data-bbox="1251 1294 1374 1391">  <p>3 1</p> </div> <p>EN 343:2003+A1:2007</p> <p>INTERNAL PART WITH SLEEVES / WITHOUT SLEEVES</p> <div data-bbox="927 1469 1019 1568">  <p>3</p> </div> <p>EN ISO 20471:2013</p> <div data-bbox="1278 1469 1370 1568">  <p>2</p> </div> <p>EN ISO 20471:2013</p>	<p><b>Sizes</b></p> <p>S – 4XL</p>

### SAFETY TECHNICAL SPECIFICATIONS

	Test method	description	Cofra result	Minimum requirement / range
<b>EXTERNAL PART</b> <b>Background fabric</b>	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	Search of the aromatic and carcinogenic amines	Not recording	≤30 ppm
	(prEN 14362-1)			

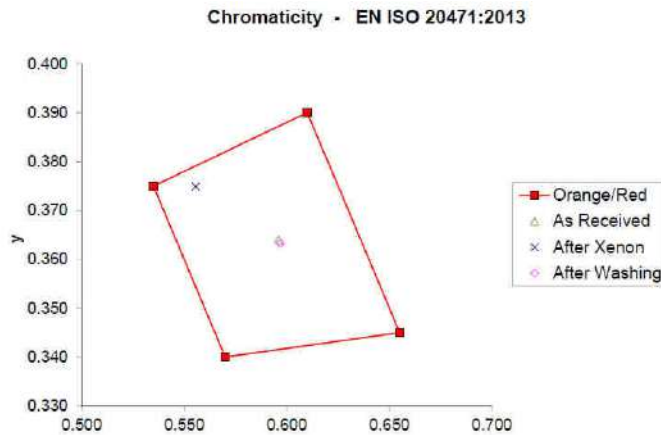
EN ISO 20471:2013	- Chromaticity and luminance of new material	$x = 0.598$ $y = 0.361$ $\beta_{min} = 0.49$	co-ord x 0.610	co-ord y 0.390
5.1			0.535	0.375
5.2	- Chromaticity and luminance after Xenon test	$x = 0.563$ $y = 0.370$ $\beta_{min} = 0.54$	0.570	0.340
7.5.1			0.655	0.345
	- Chromaticity and luminance after 5 washes cycles	$x = 0.601$ $y = 0.361$ $\beta_{min} = 0.51$	Minimum Luminance Factor $\beta_{min} > 0.4$	



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
(ISO 105-E04)	Staining		Colour change : 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%	±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 5.5.3 (ISO 4674-1 :2003)	Tear resistance of coated fabrics and laminates	warp: 164.32 N weft: 171.59 N	>20N
<b>EXTERNAL PART</b> <b>Non fluorescent fabric</b>	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> diacetate cotton nylon polyester acrylic wool	Acidic 5 4-5 4-5 4-5 5 5 5 5 5	Alkaline 5 4-5 4-5 4-5 5 5 5 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> diacetate cotton nylon polyester acrylic wool	5 4-5 4-5 4-5 4-5 4-5 4-5 4-5 4-5	<i>Staining: 4</i>
	EN ISO 20471 :2013 6.1	Retro reflective performance requirements of new material	PASS	
<b>Reflex D 1002</b>	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	$R' \geq 100 \text{ cd}/(\text{lx m}^2)$
<b>Lining</b>	EN ISO 1833-1977, SECTION 10	Composition	100% Polyamide	
<b>INTERNAL PART</b> <b>Background fabric</b>	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	- Chromaticity and luminance of new material	$x = 0.596$ $y = 0.364$	co-ord x	co-ord y
5.1		$\beta_{min} = 0.46$	0.610	0.390
5.2	- Chromaticity and luminance after Xenon test	$x = 0.556$ $y = 0.375$	0.535	0.375
7.5.1	- Chromaticity and luminance after 5 washes cycles	$\beta_{min} = 0.52$	0.570	0.340
		$x = 0.597$ $y = 0.363$	0.655	0.345
		$\beta_{min} = 0.46$	Minimum Luminance Factor	
			$\beta_{min} > 0.4$	



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
(ISO 105-E04)	Staining		Colour change : 4
	diacetate	4-5	Staining: 4
	cotton	4-5	
	nylon	4-5	
	polyester	4-5	
	acrylic	4-5	
	wool	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%	±3%
5.4.1		weft: -0.0%	
(ISO 5077)			
EN ISO 20471:2013	Tensile strength	warp: 1200 N	
5.5.3		weft: 810 N	>100N
(EN ISO 13934-1)			
EN ISO 20471:2013	Tear resistance of coated fabrics and laminates	warp: 90.12 N	>20N
5.5.3		weft: 120.29 N	
(ISO 4674-1 :2003)			

<b>Padding</b>	EN ISO 1833-1977, SECTION 10	Composition	100% Poliestere	
	EN ISO 12127:1996	Fabric mass per unit area	160 g/mq	
<b>TELSEN</b>	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 <sup>2</sup> Size S	Class 3 Background material 0.93 m <sup>2</sup> Retro reflective material 0.28 m <sup>2</sup> * Maximum areas for logos, lettering, labels, etc. 0.13 m <sup>2</sup>	Background material  CLASS 3 = 0.80m <sup>2</sup> CLASS 2 = 0.50m <sup>2</sup> CLASS 1 = 0.14m <sup>2</sup>  Retro reflective material  CLASS 3 = 0.20 m <sup>2</sup> CLASS 2 = 0.13 m <sup>2</sup> CLASS 1 = 0.10 m <sup>2</sup>
	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 <sup>2</sup> Size S	Class 2 Background material 0.56 m <sup>2</sup> Retro reflective material 0.17 m <sup>2</sup> * Maximum areas for logos, lettering, labels, etc. 0.06 m <sup>2</sup>	Background material  CLASS 3 = 0.80m <sup>2</sup> CLASS 2 = 0.50m <sup>2</sup> CLASS 1 = 0.14m <sup>2</sup>  Retro reflective material  CLASS 3 = 0.20 m <sup>2</sup> CLASS 2 = 0.13 m <sup>2</sup> CLASS 1 = 0.10 m <sup>2</sup>
	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 <sub>et</sub> [m <sup>2</sup> Pa/W]	Class 1	CLASS 1 R <sub>et</sub> > 40 CLASS 2 20 < R <sub>et</sub> < 40 CLASS 3 R <sub>et</sub> < 20
	EN ISO 20471:2013 5.6.3 (EN 31092)	Measurement of the thermal resistance and water vapor (Internal part) R <sub>ct</sub> [m <sup>2</sup> Pa/W] R <sub>et</sub> [m <sup>2</sup> Pa/W]	R <sub>ct</sub> = 0.208 m <sup>2</sup> Pa/W R <sub>et</sub> = 80.1 m <sup>2</sup> Pa/W IMT 0.156	Index of permeability to water vapor IMT ≥ 0.15