











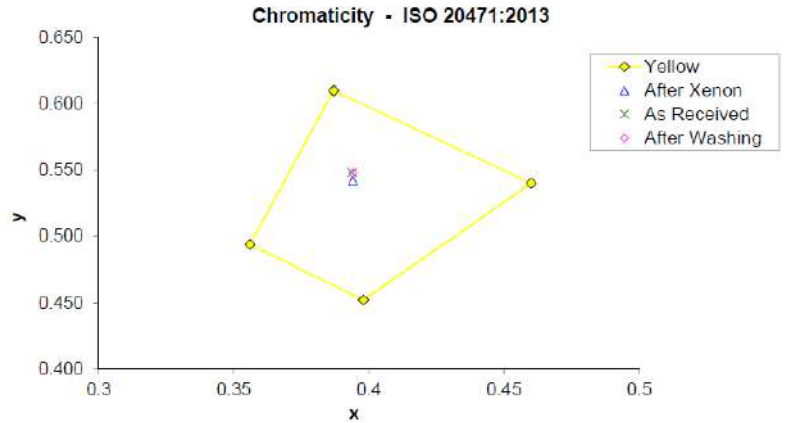


MERIDA - jacket											
Description	<ul style="list-style-type: none"> totally thermo welded seams; windproof elastic fabric; 2 wide front pockets; adjustable foldaway hood; adjustable cuffs; coulisse for adjustable bottom; back venting; YKK® zip; certified OEKO-TEX® Standard 100. 										
Maintenance	<p>Maximum washing temperature 40 °C, normal process; Do not bleach; Do not tumble dry; Drying in the shade; Do not iron; Do not dry clean.</p> <div style="text-align: center; margin-top: 10px;">  </div> <div style="text-align: center; margin-top: 10px; background-color: yellow; padding: 5px; border: 1px solid black;">  WARNING: DO NOT IRON THE REFLEX INSERTS! </div>										
											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Item</td> <td style="padding: 2px;">V450-0-00 (yellow)</td> </tr> <tr> <td style="padding: 2px;">Standards</td> <td style="padding: 2px; text-align: center;">EN ISO 13688:2013</td> </tr> <tr> <td style="padding: 2px; text-align: center;">  EN 343:2003+A1:2007 </td> <td style="padding: 2px; text-align: center;">  EN ISO 20471:2013/A1:2016 </td> </tr> <tr> <td style="padding: 2px; text-align: center;">  </td> <td></td> </tr> <tr> <td style="padding: 2px;">Sizes</td> <td style="padding: 2px;">S - 3XL</td> </tr> </table>	Item	V450-0-00 (yellow)	Standards	EN ISO 13688:2013	 EN 343:2003+A1:2007	 EN ISO 20471:2013/A1:2016			Sizes	S - 3XL
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SAFETY TECHNICAL SPECIFICATIONS				
	Test method	description	Cofra result	Minimum requirement / range
Background fabric	EN ISO 1833-1977, SECTION 10	Composition	100% polyester coated polyurethane	
	EN ISO 12127:1996	Fabric mass per unit area	170 g/m ²	
	EN ISO 13688:2013 4.2 (EN 14362-1)	Search of the aromatic and carcinogenic amines	OEKO-TEX® Standard 100	≤30 ppm
	EN ISO 13688:2013 4.2 (EN 1413)	The pH's determination from the watery extract	OEKO-TEX® Standard 100	3,5<PH≤9,5

EN ISO 20471:2013/A1:2016 5.1	- Chromaticity and luminance of new material	$x = 0.394$ $y = 0.548$ $\beta_{min} = 0.96$	co-ord x 0.387	co-ord y 0.610
5.2	- Chromaticity and luminance after Xenon test	$x = 0.394$ $y = 0.542$ $\beta_{min} = 0.90$	0.356	0.494
7.5.1	- Chromaticity and luminance after 5 washes cycles	$x = 0.394$ $y = 0.548$ $\beta_{min} = 0.96$	0.398	0.452
			Minimum Luminance Factor $\beta_{min} = 0.7$	



EN ISO 20471:2013/A1:2016 5.3.1 (ISO 105-X12)	Colour fastness to rubbing	dry= 5		dry= 4
EN ISO 20471:2013/A1:2016 5.3.2 (ISO 105-E04)	Colour fastness to perspiration	Acidic	Alkaline	
	Colour change	4-5	5	Colour change= 4
	Staining:			Staining= 4
	diacetate	4	4-5	
	cotton	4-5	4-5	
	nylon	4-5	4	
	polyester	4	4-5	
	acrylic	4-5	4-5	
	wool	4	4-5	
EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 40°C			
	Colour change	5		Colour change= 4-5
	Staining:			Staining= 4
	diacetate	5		
	cotton	5		
	nylon	4-5		
	polyester	5		
	acrylic	5		
	wool	5		
EN ISO 20471:2013/A1:2016 5.4 (ISO 5077)	Dimensional change to washing	warp= -1.4%		+/- 3%
		weft= -0.3%		

	EN ISO 20471:2013/A1:2016 5.5.3 (ISO 1421, Method1)	Tensile strength of coated fabrics and laminates	Elongation >50% tensile strength is not applicable	>100 N
	EN ISO 20471:2013/A1:2016 5.5.3 (ISO 4674-1, Method A)	Tear resistance of coated fabrics and laminates	Elongation >50% tensile strength is not applicable	>20 N
	EN ISO 20471:2013/A1:2016 5.6.3 (EN 31092)	Water vapour resistance for background materials made from coated fabrics or laminates R_{et} (m ² Pa/W)	Class 1 $R_{et} = 235.1$ (m ² Pa/W)	CLASS 1 $R_{et} > 40$ CLASS 2 $20 < R_{et} < 40$ CLASS 3 $R_{et} < 20$
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - W_p [Pa] (before each pretreatment)	Class 1 > 8000 Pa	CLASS 1 $W_p \geq 8000$ Pa CLASS 2 no test required CLASS 3 no test required
	EN 343:2003+A1:2007 4.2 (EN 20811)	Water penetration resistance - W_p [Pa] (after each pretreatment)	Class 3 $W_p > 13000$ Pa	CLASS 1 no test required CLASS 2 $W_p \geq 8.000$ Pa CLASS 3 $W_p \geq 13.000$ Pa
Reflective Tape D4201	EN ISO 20471:2013/A1:2016 6.1	Retro reflective performance requirements of new material	PASS	
	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 (25 cycles ISO 6330 at 60°C) and rain influence.	PASS	$R' \geq 100$ cd/(lx m ²)
MERIDA	EN ISO 20471:2013/A1:2016 4.1 *At least (50±10)% of the minimum area of visible background material shall be on the front part of garments	Minimum required areas of visible material in m ² Size S	Class 3 Background material 1.06 m ² Background material front part 0.53 m ² Background material back part 0.53 m ² *Maximum areas for logos, lettering, labels, etc. 0.26 m ² Retro reflective material 0.21 m ²	Background material CLASS 3 = 0.80m ² CLASS 2 = 0.50m ² CLASS 1 = 0.14m ² Retro reflective material CLASS 3 = 0.20 m ² CLASS 2 = 0.13 m ² CLASS 1 = 0.10 m ²
	EN 343:2003+A1:2007 5.6 (UNI EN ISO 13935-2)	Determination of maximum force to seam rupture using the grab method	380 N	>225 N