







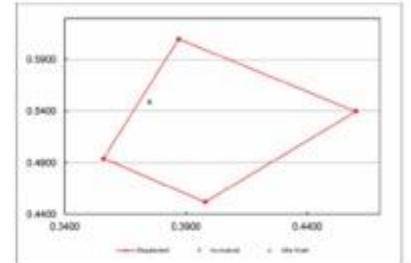
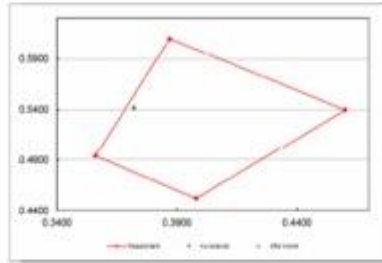
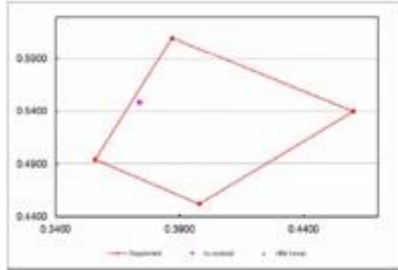
TILCARA – polo shirt

<p>Description</p>	<ul style="list-style-type: none"> • cotton inside, • longer back side, • segmented reflex stripes, • side splits, • sweat band, • two- tone, • rib collar and sleeve band, • contrasting colour inserts made of three-dimensional punched fabric in the side /armpit/ shoulder / area to guarantee higher breathability, • UV – rays protection, • OEKO-TEX[®] Standard 100 		
<p>Maintenance</p>	<p>Maximum wash temperature: 30°C; Do not bleach; Do not dry in a tumble dryer; Drying in the shade; ironing at low temperature (max 110°C); Do not dry clean.</p> <div style="display: flex; align-items: center; gap: 10px;">  </div> <div style="background-color: yellow; padding: 5px; margin-top: 5px; display: flex; align-items: center; gap: 5px;">  <p style="font-size: 8px; margin: 0;">WARNING: DO NOT IRON THE REFLEX INSERTS!</p> </div>	<p>Item</p> <p>V651-0-03 Yellow/Navy</p>	<p>Standards: EN ISO 13688:2013/A1:2021</p> <div style="display: flex; justify-content: space-around; align-items: center; gap: 20px;"> <div style="text-align: center;">  <p style="font-size: 8px;">2 (30 WASHES) EN ISO 20471:2013/A1:2016</p> </div> <div style="text-align: center;">  <p style="font-size: 8px;">EN 13758-2:2003 + A1:2006</p> </div> <div style="text-align: center;">  <p style="font-size: 8px;">OEKO TEX[®] STANDARD 100</p> </div> </div> <p>Sizes</p> <p>S – 4XL</p>

SAFETY TECHNICAL SPECIFICATIONS

	Test method	Description	Cofra result	Minimum requirement / range
<p>Background fabric fluorescent</p>	<p>EN ISO 1833-1977, SECTION 10</p>	<p>Composition:</p>	<p>55% cotton 45% recycled polyester</p>	
	<p>EN ISO 12127:1997</p>	<p>Fabric mass per unit area</p>	<p>175 g/m²</p>	
	<p>EN ISO 13688 :2013/A1:2021 4.2 (EN 14362-1:2017)</p>	<p>Search of the aromatic and carcinogenic amines</p>	<p>Not recording Oeko-Tex[®]</p>	<p>≤30 ppm</p>
	<p>EN ISO 13688 :2013/A1:2021 4.2 (EN ISO 3071:2006)</p>	<p>the pH's determination from the watery extract</p>	<p>Oeko-Tex[®]</p>	<p>3,5 ≤pH≤ 9,5</p>
	<p>EN ISO 20471:2013/A1:2016 5.3.1 (ISO 105-X12)</p>	<p>Colour fastness to rubbing Staining</p>	<p>DRY 4-5</p>	<p>DRY 4</p>

EN ISO 20471:2013/A1:2016	- Chromaticity and luminance of new material	x= 0.374 y= 0.548 $\beta_{min} = 0.94$	co-ord x 0.387	co-ord y 0.610
5.1				
5.2	- Chromaticity and luminance after Xenon test	x= 0.372 y= 0.543 $\beta_{min} = 0.94$	0.356	0.494
7.5.1	-Chromaticity and luminance after 50 washes cycles	x= 0.375 y= 0.550 $\beta_{min}= 0.94$	0.398	0.452
			0.460	0.540
			Minimum Luminance Factor $\beta_{min} > 0.7$	



EN ISO 20471:2013/A1:2016	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/A1:2016	Colour fastness to Laundering at 60°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		
	polyester	4-5		
	acrylic	4-5		
	wool	4-5		
EN ISO 20471:2013/A1:2016	Colour fastness to hot pressing (110° C)			
5.3.3	Colour change - dry	4-5		Colour change : 4-5
(ISO 105 -X11)				Staining: 4
EN ISO 20471:2013/A1:2016	Dimensional change to washing	warp: -1.7%		±3%
5.4.1		weft: -0.2%		
(ISO 5077)				
EN ISO 20471:2013/A1:2016	Hydraulic method for determination of bursting strength and bursting distension	1120 KPa		>200KPa
5.5.2				
(ISO 13938-1)				
EN ISO 20471:2013/A1:2016	Water penetration resistance	$R_{et} = 2.10 [m^2 Pa/W]$		$R_{et} \leq 5 [m^2 Pa/W]$
5.6.3	$R_{et} [m^2 Pa/W]$			
(ISO 11092)				
EN 13758-2:2003+A1:2006	UPF	>50		>50
4.2	UPF Average	135,20		
(EN 13758-1)	UVA Average (%)	1,20		<5%
	UVB Average (%)	0,62		

Non fluorescent fabric	EN ISO 1833-1977, SECTION 10	Composition:	100% recycled polyester		
	EN ISO 12127:1996	Fabric mass per unit area	160 g/m ²		
	EN ISO 13688 :2013/A1:2021 4.2 (EN ISO 3071:2006)	the pH's determination from the watery extract	Oeko-Tex [®]	3,5 ≤pH≤ 9,5	
	EN ISO 13688 :2013/A1:2021 4.2 (EN 14362-1:2017)	Search of the aromatic and carcinogenic amines	Not recording Oeko-Tex [®]	≤30 ppm	
	EN ISO 20471:2013/A1:2016 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/A1:2016 5.3.2 (ISO 105-E04)	Colour fastness to perspiration <i>Colour change</i> <i>Staining:</i> diacetate cotton nylon polyester acrylic wool	Acidic	Alkaline	<i>Colour change : 4</i> <i>Staining: 4</i>
			4-5	4-5	
			4-5	4-5	
			4-5	4-5	
			4-5	4-5	
			4-5	4-5	
			4-5	4-5	
	EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105-C06)	Colour fastness to Laundering at 60°C <i>Colour change</i> <i>Staining:</i> diacetate cotton nylon polyester acrylic wool	4-5		<i>Colour change : 4-5</i> <i>Staining: 4</i>
			4-5		
4					
4-5					
4-5					
4-5					
4-5					
EN ISO 20471:2013/A1:2016 5.3.3 (ISO 105 -X11)	Colour fastness to hot pressing (110° C) <i>Colour change - dry</i>	4-5		<i>Colour change : 4-5</i> <i>Staining: 4</i>	
EN ISO 20471:2013/A1:2016 5.4.1 (ISO 5077)	Dimensional change to washing	warp: -0.4% weft: 1.1%	±3%		
EN ISO 20471:2013/A1:2016 5.5.2 (ISO 13938-1)	Hydraulic method for determination of bursting strength and bursting distension	1100 KPa	>200KPa		
EN ISO 20471:2013/A1:2016 5.6.3 (ISO 11092)	Water penetration resistance R _{et} [m ² Pa/W]	R _{et} = 2.13 [m ² Pa/W]	R _{et} ≤ 5 [m ² Pa/W]		
EN 13758-2:2003+A1:2006 4.2 (EN 13758-1)	UPF UPF Average UVA Average (%) UVB Average (%)	>50	>50		
		95,67			
		1,47	<5%		
		0,92			

Ribbed fabric (collar and sleeve band)	EN ISO 1833-1977, SECTION 10	Composition:	95% poliéster 5% elastán	
	EN ISO 13688 :2013/A1:2021 4.2 (EN 14362-1:2017)	Search of the aromatic and carcinogenic amines	Not recording Oeko-Tex [®]	≤30 ppm
	EN ISO 13688 :2013/A1:2021 4.2 (EN ISO 3071:2006)	the pH's determination from the watery extract	Oeko-Tex [®]	3,5 ≤pH≤ 9,5
Reflex D4300	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 (30 cycles ISO 6330 at 60°C) and rain influence.	PASS	R' ≥ 100 cd/(lx m²)
TILCARA	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 m² Size S (reflex 60 mm)	Class 2 Background material front part (fluorescent) 0.25m² Background material back part (fluorescent) 0.27 m² Background material total (fluorescent) 0.52 m² Retro reflective material 0.14 m² * Maximum areas for logos, lettering, labels, etc. 0.02 m²	<i>Background material</i> CLASS 3 = 0.80m² CLASS 2 = 0.50m² CLASS 1 = 0.14m² <i>Retro reflective material</i> CLASS 3 = 0.20 m² CLASS 2 = 0.13 m² CLASS 1 = 0.10 m²
		Minimum required areas of visible material in m² Size S (reflex 50 mm)	Class 2 Background material front part (fluorescent) 0.28 m² Background material back part (fluorescent) 0.30 m² Background material total (fluorescent) 0.58 m² Retro reflective material 0.13 m² * Maximum areas for logos, lettering, labels, etc. 0.08 m²	
		Minimum value UPF 40+ - Sun exposure causes skin damage - Only covered areas are protected - The protection offered by this item may be reduced with use or if stretched or wet - Provides UVA + UVB protection from the sun		<i>This European Standard specifies the requirements for marking of clothing which are designed to offer the wearer protection against solar ultraviolet radiation exposure</i>

