

TECHNICAL SHEET

KADUNA - polo shirt Description rib collar and sleeve band, side splits, sweat band, OEKO-TEX® Standard 100 PACKAGING: quantity per bag: 3 pieces Maintenance Maximum wash temperature: 40 °C; Do not bleach; Do not dry in V652-0-B0 Yellow a tumble dryer; Drying in the shade; Do not iron; Do not dry Standards: EN ISO 13688:2013/A1:2021 OEKO-TEX® (25 WASHES) WARNING: DO NOT IRON THE REFLEX INSERTS! STANDARD 100 EN ISO 20471:2013/A1:2016 Sizes S - 4XL

SAFETY TECHNICAL SPECIFICATIONS

	Test method	Description	Cofra result	Minimum requirement / range
Background fabric	EN ISO 1833-1977, SECTION 10	Composition:	100% polyester	
	EN ISO 12127:1996	Fabric mass per unit area	150 g/mq	
	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
	EN ISO 20471:2013/A1:2016 5.3.1 (ISO 105-X12)	Colour fastness to rubbing	DRY 4-5	DRY 4

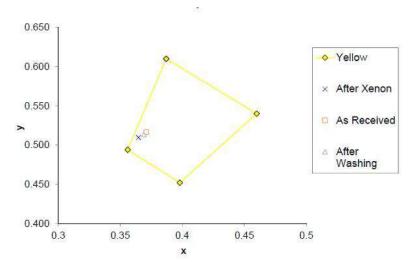
Made by Workwear Technical Dept.

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EN ISO 20471:2013/A1:2016	- Chromaticity and luminance of new material	x= 0.377 y= 0.547	co-ord x	co-ord y
5.1	now material	$\beta_{min} = 0.99$	0.387	0.610
			0.356	0,494
5.2	- Chromaticity and luminance after	x = 0.375 $y = 0.541$	0.398	0,452
	Xenon test	$\beta_{min} = 0.97$	0.460	0,540
7.5.1	- Chromaticity and luminance after 50 washes cycles	x = 0.376 $y = 0.549$	Minimum Luminance Facto	
		β_{min} = 1.00	$\beta_{min} > 0.7$	



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	5	4-5	
	cotton	5	4-5	
	nylon	4-5	4-5	
	polyester	4-5	4-5	
	acrylic	5	4-5	
	wool	5	4-5	
EN ISO 20471:2013/A1:2016	Colour fastness to Laundering at			
5.3.3	40°C			Colour change: 4-5
(ISO 105-C06)	Colour change	4-5		Staining: 4
	Staining:			
	diacetate	4-5		
	cotton	4-5		
	nylon	4-5		
	polyester	4-5		
	acrylic	4-5		
	wool	4-5		
EN ISO 20471:2013/A1:2016 5.4.1 (EN ISO 6630 / ISO 5077)	Dimensional change to washing	warp: -3.0% weft: -2.0%		±3%
EN ISO 20471:2013/A1:2016 5.5.2 (ISO 13938-1)	Pneumatic method for determination of bursting strength and bursting distension	450 KPa		>200KPa



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EN ISO 20471:2013/A1:2016	Water vapour resistance	$R_{et} = 3.0 [m^2 Pa/W]$	$R_{et} \leq 5 \ [m^2 \ Pa/W]$
5.6.3 ISO 11092)	R _{et} [m ² Pa/W]		
EN ISO 1833-1977, SECTION 10	Composition:	96% polyester 4% elastane	
EN ISO 20471:2013/A1:2016 5.1	Retro reflective performance requirements of new material	PASS	
EN ISO 20471:2013/A1:2016 5.2	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´≥100 cd/(lx m²)
EN ISO 20471:2013/A1:2016 I.1 At least (50±10)% of the ninimum area of visible background material shall be on the front part of garments	Minimum required areas of visible material in m² Size S	Class 1 Background material front part 0.34 m ₂ Background material back part 0.35 m ₂ Background material (total) 0.69 m ² Retro reflective material 0.10 m ² * Maximum areas for logos, lettering, labels, etc.	Background material $CLASS \ 3 = 0.80m^2$ $CLASS \ 2 = 0.50m^2$ $CLASS \ 1 = 0.14m^2$ Retro reflective material $CLASS \ 3 = 0.20 \ m^2$ $CLASS \ 2 = 0.13 \ m^2$ $CLASS \ 1 = 0.10 \ m^2$
5 I = = 5 = 5 = 1 - 7 = 5 1 - 1 = 5 1 - 1 = 5 1	2.6.3 (SO 11092) 2.6.1 (SO 1833-1977, SECTION 10 (SO 1833-1977, SECTIO	Ret [m² Pa/W] SO 11092) EN ISO 1833-1977, SECTION 10 Composition: EN ISO 20471:2013/A1:2016 EN ISO 20471:2013/A1:2016 EN ISO 20471:2013/A1:2016 EN ISO 20471:2013/A1:2016 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. EN ISO 20471:2013/A1:2016 At least (50±10)% of the ninimum area of visible ackground material shall be on	Ret [m² Pa/W] SO 11092) Ret [m² Pa/W] Ret [m² Pa/W] So 11092 Ret [m² Pa/W] Ret [m² Pa/W] So 11092 Ret [m² Pa/W] So 11092 Ret [m² Pa/W] So 11092 PASS PASS PASS PASS So 11092 PASS 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. So 11092 Ret [m² Pa/W] So 11092 PASS PASS Class 1 Background material front part 10.34 m² Background material back part 10.35 m² Background material (total) 0.69 m² Ret [ctal] 0.69 m²