

MARKO AS P220AT

NON FLAMMABLE FABRIC



DESCRIPTION:

Comfortable protection against fire and heat.

COLORS:

a) Standard Colors



Yellow HV

Navy blue

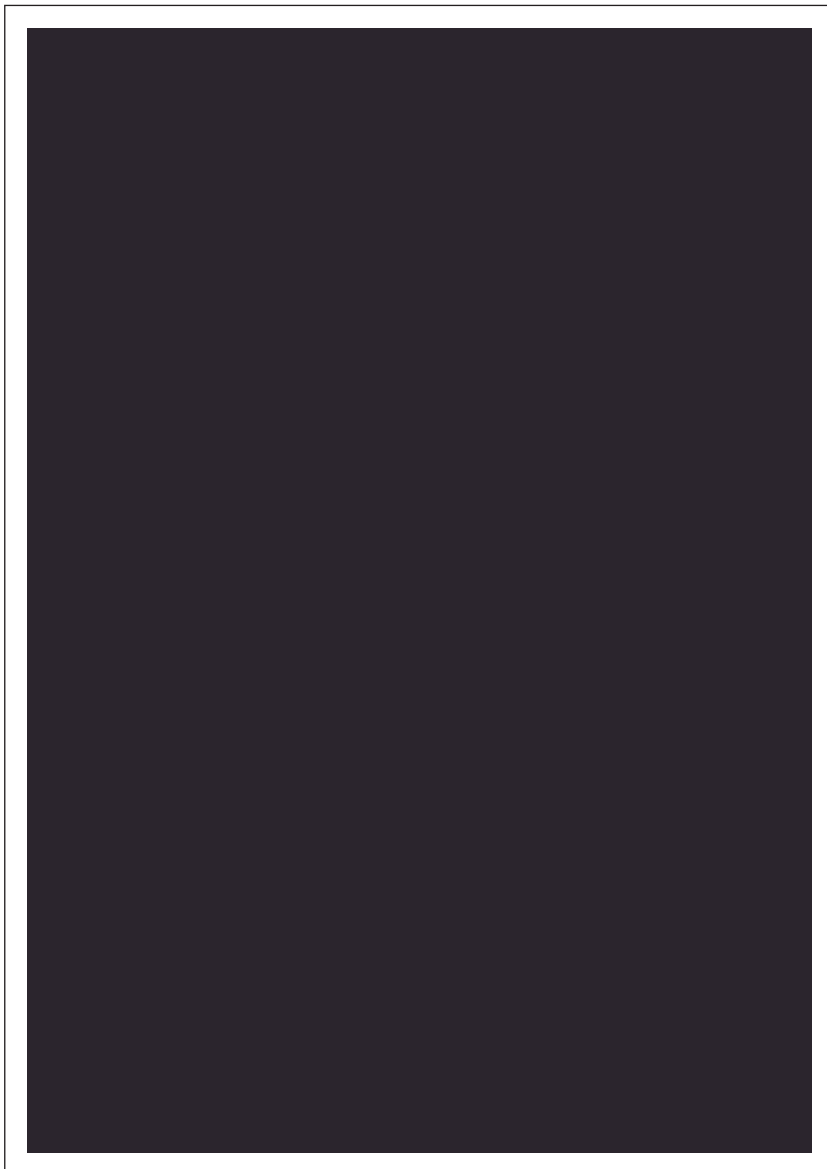
b) Customized colors (300 mts.)



STANDARD 100 2005AN4269 AITEX



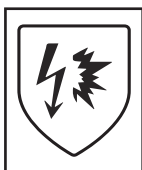
STANDARD 100 2022OK2884 AITEX



EN 11612



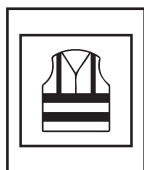
ELECTRIC ARC



EN 1149-3



EN 20471



EN 13034



ASTM F1506



Article
**MARKO
AS P220AT**

Composition	40% LENZING™ FR 26% MA 18%CO 8% PA 6% PARA 2%AT
Weave	Knitted fabric
Weight	6.64 oz/yd ² - 225 g/m ² ± 5%
Usable width	1.45 yd - 133 cm

Technical Specs	Results	Standard
Heat Resistance (180°C)	PASS	ISO 17493
Heat Resistance (260°C)	< 10%	ISO 17493
Limited Flame Spread (H)	A1	UNE-EN ISO 15025 (A)
Limited Flame Spread (V)	A2	UNE-EN ISO 15025 (B)
Convective Heat (s)	B1	UNE-EN ISO 9151
Radiant Heat (s)	C1	UNE-EN ISO 6942
Contact Heat	F1	UNE-EN ISO 12127-1
Limited Flame Spread (American Vertical)	PASS	ASTM D 6413
HTP with spacer (cal/cm2)	>= 6	ASTM F2700-08
HTP without spacer (cal/cm2)	>= 3	ASTM F2700-08
Manikin test	<= 50%	ASTM F 1930
Electric Arc (Elim) (cal/cm2)	8,3	EN 61482-1-1
Electric Arc (Ebt) (cal/cm2)	9,3	EN 61482-1-1
Electric Arc (Ebt) (cal/cm2)	8.4	ASTM F1959
Electric Arc (HAF) (%)	78.3	ASTM F1959
Electric Arc (Box test)	APC 1	EN 61482-1-2
Antistatic	PASS	UNE-EN 1149-3
High visibility	MARKO AS P220AT HV	UNE-EN ISO 20471
Antacid	MARKO AS P220AT FC	UNE-EN 13034
Burst Strength (kPa) - 7.3 cm2	331,5	UNE-EN ISO 13938-1
Dimensional Change Warp (%)	<5%	UNE-EN ISO 5077
Dimensional Change Weft (%)	<5%	UNE-EN ISO 5077



Rev.3

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Color Fastness		Change	AC	CO	PA	PES	PC	WO
Washing	ISO 105 C06 at 60°	4-5	4-5	4-5	4-5	4-5	4.5	4-5
Dry Cleaning	ISO 105 D01		5	5	5	5	5	5
Acid Perspiration	BS EN ISO 105 E04		4-5	5	4-5	5	4-5	4-5
Alkali Perspiration	BS EN ISO 105 E04		4-5	5	5	5	4-5	4-5
Artificial Light	EN ISO 105 B02							
		Change		Staining				
Dry Rubbing	EN ISO 105 X12						5	
		Change		Staining				
		Dry	Damp	Dry	Damp	Dry	Damp	
Hot Pressing	EN ISO 105-X11			5				

Color fastness results on navy blue

