

# MARLANPL 300

NON FLAMMABLE FABRIC



**DESCRIPTION:**

Protection with the lowest weight.

**COLORS:**

a) Standard Colors (50 mts.)



Navy blue

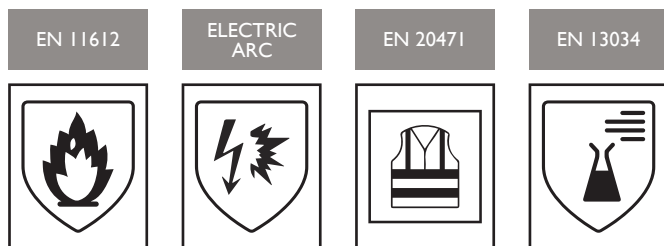
b) Customized colors (300 mts.)



STANDARD 100 2005AN4269 AITEX



STANDARD 100 2022OK2884 AITEX



Article  
**MARLANPL  
300**

<b>Composition</b>	60% LENZING™ FR 20% WO 10% PA 10% TENCEL
<b>Weave</b>	Plain
<b>Weight</b>	315 g/m <sup>2</sup> ± 5%
<b>Usable width</b>	162 cm

Technical Specs	Results	Standard
Heat Resistance (180°C)	PASS	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
Molten Metal Splashes (Aluminium)	D3	UNE-EN ISO 9185
Molten Metal Splashes (Iron)	E3	UNE-EN ISO 9185
Molten Metal Splashes (Cryolite) (g)	95	UNE-EN ISO 9185
Contact Heat	F1	UNE-EN ISO 12127-1
Limited Flame Spread (American Vertical)	PASS	ASTM D 6413
Electric Arc (ATPV) (cal/cm <sup>2</sup> )	8,3	ASTM F1959
Electric Arc (HAF) (%)	77	ASTM F1959
Electric Arc (Box test)	APC 1	EN 61482-1-2
Welding and allied processes	CLASS 1	UNE-EN ISO 11611
High visibility	MARLAN PLUS 300HV	UNE-EN ISO 20471
Antacid	MARLAN PLUS 300FC	UNE-EN 13034
Water vapour resistance - Ret (m <sup>2</sup> ·Pa/W)	4,25	UNE-EN ISO 11092
Thermal Resistance - Rct (m <sup>2</sup> ·K/W)	0,0142	UNE-EN ISO 11092
Tensile Strength Warp (N)	690 ± 10%	UNE-EN ISO 13934-1
Tensile Strength Weft (N)	565 ± 10%	UNE-EN ISO 13934-1
Tear Resistance Warp (N)	24 (-5 N)	UNE-EN ISO 13937-2
Tear Resistance Weft (N)	35 (-5 N)	UNE-EN ISO 13937-2
Dimensional Change Warp (%)	< 3%	UNE-EN ISO 5077
Dimensional Change Weft (%)	< 3%	UNE-EN ISO 5077

#### Other results

Testing done after 50 industrial washings at 60°C: 180°C, A1, A2, B1, C1, D3 - E3, F1.

Testing done after 25 industrial washings at 60°C: 180°C, A1, A2, B1, C1, D3 - E3, F1.



Rev.4

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

Color fastness results on navy blue

