



Flame Retardant fabric for FR-clothing

ETNA

99% COTTON / 1% AS

350 GSM / SATIN 4/1



Fabric name	Etna
Fabric weight	350 ± 10 gsm
Composition	99% Cotton, 1% Antistatic
Full width	152 ± 2 cm
Weave	Satin 4/1
Finishes	Flame Retardant
Area of use	FR workwear jackets, trousers and coveralls
Domestic wash	
Industrial wash	

FR & SPECIAL PROPERTIES

Flame retardant	ISO 11612 (A1 & A2, B1, C1, D3, E3, F1)	50×75°C ISO 15797
	ISO 11612 (A1 & A2)	100×75°C ISO 15797
	ISO 11611 (Class 1)	50×75°C ISO 15797
Anti static	EN 1149-5 (1149-3 method 2)	50×75°C ISO 15797
Electric arc	EN 61482-1-2 Class 1 (4kA)	50×75°C ISO 6330
Arc rating	EN 61482-1-1	5×60°C ISO 6330
Hi-Vis	EN 20471 (Contrast Colors)	5×60°C ISO 6330

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	ISO 13934-1:1999	1400	1100
Tearing strength, N	ISO 13937-2:2000	38	65
Dimensional Stability To Washing, max	ISO 5077-ISO 15797	3%	
Abrasion Resistance	ISO 12947-2:1999	21,000 rubs	
Pilling Resistance	ISO 12945-2:2001	4	

COLOUR FASTNESS

			Light	Mid	Dark	Special colors
			Orange, Yellow, Red	Green, Grey, Royal Box	Dark Navy, Navy, Royal Blue	Black
Wash Fastness Method E2S (95°C)	ISO 105-C06	Colour Change	4-5	4-5	4-5	4-5
		Stain on Polyester	4-5	4-5	4	4
		Stain on Cotton	4	4	4	3-4
Rub Fastness	ISO 105-X12:1995	Wet	3	3	2-3	2
		Dry	4	4	4	4
Light Fastness	ISO 105-B02		3	4	4	4

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