



Flame Retardant fabric for FR-clothing

FIJI

99% COTTON / 1% ANTISTATIC /
220 GSM / TWILL 2/1



Fabric name	Fiji
Fabric weight	220 ± 10 gsm
Composition	99% Cotton, 1% Antistatic
Full width	152 ± 2 cm
Weave	Twill 2/1
Finishes	Flame Retardant
Area of use	FR jackets, trousers, coveralls
Domestic wash	
Industrial wash	

FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11612 A1 & A2, B1, C1, E3, F1	5×60°C ISO 6330
	EN ISO 11611 Class 1	5×60°C ISO 6330
	EN ISO 11612 A1 & A2	100×75°C ISO 15797
Anti static	EN 1149-5 (1149-3 method 2)	5×60°C ISO 6330
Arc rating	EN 61482-1-2 (box test) – APC 1 (4kA)	5×60°C ISO 6330
	EN IEC 61482-1-1, ATPV 7.9 cal/cm²	50×75°C ISO 15797

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	ISO 13934-1:1999	1000	480
Tearing strength, N	ISO 13937-2:2000	18	19
Dimensional Stability To Washing, max	ISO 5077	≤3%	
Abrasion Resistance	ISO 12947-2:1999	20,000 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
		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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