



Flame Retardant fabric for FR-clothing

FR SOFTSHELL-310

42% MODACRYL / 29% POLYESTER / 19% FR PA /

5% PARA-ARAMID / 4% EOL / 1% AS

310 GSM / TWILL 2/1



Fabric name	FR Softshell-310
Fabric weight	310 ± 10 gsm
Composition	42% Modacryl, 29% Polyester, 19% FR PA, 5% Para-Aramid, 4% EOL, 1% AS
Full width	152 ± 2 cm
Weave	Twill 2/1
Finishes	-
Application	FR jackets
Washing instruction	

FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11611 (molten metal splash - class 1, radiant heat - class 2)	50×60°C ISO 6330
	EN ISO 11612 (A1, A2, B1, C1, E3, F2)	50×60°C ISO 6330
Antistatic	EN 1149-5 (1149-3 method 2)	50×60°C ISO 6330
Electric arc	EN 61482-1-1 (ATPV 23 cal)	50×60°C ISO 6330
Multi-Risk	EN 343	5×60°C ISO 6033
Hi-Vis	EN 20471	50×60°C ISO 6033

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	ISO 13934-1:1999	760	470
Tearing strength, N	ISO 13937-2:2000	31	35
Dimensional Stability To Washing, max	ISO 5077	3%	
Abrasion Resistance	ISO 12947-2:1999	2,000 rubs	
Pilling Resistance	ISO 12945-2:2001	3	

COLOUR FASTNESS

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

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