



Flame Retardant fabric for FR-clothing

POSEIDON-270 Stretch

76% COTTON / 19% POLYESTER / 4% XLA / 1% AS
270 GSM / TWILL 5/3



Fabric name	Poseidon-270 Stretch
Fabric weight	270 ± 10 gsm
Composition	76% Cotton, 19% Polyester, 4% XLA, 1% AS
Full width	150 ± 2 cm
Weave	Twill 5/3
Finishes	Flame Retardant, MR (Multi-Risk)
Application	FR jackets, trousers and coveralls
Washing instruction	

FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11612 (A1, A2, B1, C1, E3, F1)	50×75°C ISO 15797
	EN ISO 11611 (Class 1)	50×75°C ISO 15797
Electric arc	EN 61482-2-2	50×75°C ISO 15797
Antistatic	EN 1149-5 (1149-3 method 2)	50×75°C ISO 15797
Multi-Risk	EN 13034	5×60°C ISO 6330

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	BS EN ISO 13934-1:1999	970	640
Tear strength, N	BS EN ISO 13937-2:2000	22	33
Elongation, %	BS EN ISO 13934-1:2013	12%	28%
Dimensional Stability To Washing, max	ISO 5077	3%	
Abrasion Resistance	ISO 12947-2:1999	2, 000 rubs	
Pilling Resistance	ISO 12945-2:2001	4	

COLOUR FASTNESS

			Light	Mid	Dark	Special
			Orange, Yellow	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	3-4	4	2-3	2-3
		Stain on Cotton	4	4-5	4	3-4
Rub Fastness	ISO 105-X12	Wet	3-4	3-4	2-3	2-3
		Dry	4-5	4-5	3	3-4
Light Fastness	ISO 105-B02		3	3-4	3-4	4

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