



Flame Retardant fabric for FR-clothing

POSEIDON-300

80% COTTON / 19% POLYESTER / 1% AS

300 GSM / TWILL 2/2



Fabric name	Poseidon-300
Fabric weight	300 ± 10 gsm
Composition	80% Cotton, 19% Polyester, 1% AS
Full width	150 ± 2 cm
Weave	Twill 2/2
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
	EN ISO 11612 (A1, A2)	100×75°C ISO 15797
	EN 11612 D1	5×75°C ISO 15797
Arc rating	EN 61482-1-1	50×75°C ISO 15797
Electric arc	EN 61482-1-2 Class 1 (4kA)	50×75°C ISO 15797
	EN 61482-2	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
Hi-Vis	EN 20471	5×60°C ISO 6330

PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	BS EN ISO 13934-1:1999	1400	700
Tear strength, N	BS EN ISO 13937-2:2000	21	17
Dimensional Stability To Washing, max	ISO 5077	3%	
Abrasion Resistance	ISO 12947-2:1999	28, 300 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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