

# Poseidon-300

Flame Retardant fabric for FR-clothing

80% COTTON / 19% POLYESTER / 1 % AS  
300 GSM / TWILL 2/2



Fabric name	Poseidon-300
Fabric weight	300 g/m <sup>2</sup> ± 5%
Composition	80% Cotton, 19% Polyester, 1% AS
Full width	152 cm
Weave	Twill 2/2
Finishes	Flame Retardant, MR (Multi-Risk)
Application	Workwear jackets, trousers and coveralls
Washing instruction	

## FR & SPECIAL PROPERTIES

Flame retardant	EN ISO 11612:2015 A1, A2, B1,C1,E3, F1 EN ISO 11611:2015 Class 1
Electric arc	IEC 61482-1-1 ATPV 11,8 cal/cm <sup>2</sup> , HAF 78% ASTM F1959/F1959M-14e1 ATPV 12 cal/cm <sup>2</sup> , HAF 77%
Antistatic	EN 1149-5 (1149-3 method 2)
Multi-Risk	EN 13034 (type 6 and PB [6] equipment)

## PHYSICAL PROPERTIES

		warp	weft
Tensile strength, N	BS EN ISO 13934-1:1999	1500 N	700 N
Tear strength, N	BS EN ISO 13937-2:2000	40 N	30 N
Dimensional Stability To Washing, max	ISO 5077-ISO 15797	3%	
Abrasion Resistance	ISO 12947-2:1999	28, 300 rubs	
Pilling Resistance	ISO 12945-2:2001	4	

## COLOUR FASTNESS

			Light	Mid	Dark	Special colors
			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-X12:1995	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



R.C. N° DLA05B33 N° Ctlle. M030500018247G B.P. 4098 Douala  
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