



Flame Retardant fabric for FR-clothing

# Poseidon-245

80% COTTON / 19% POLYESTER / 1 % AS

245 GSM / TWILL 2/2



Fabric name	Poseidon-245
Fabric weight	245 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 61482-1-2 Class1 (4kA)	IEC 61482-1-1 ATPV 10 cal/cm <sup>2</sup> ELIM 9,4 cal/cm <sup>2</sup>
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	1350 N	600 N
Tear strength, N	BS EN ISO 13937-2:2000	28 N	24 N
Dimensional Stability To Washing, max	ISO 5077-ISO 15797	3%	
Abrasion Resistance	ISO 12947-2:1999	25,000 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	4-5
		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

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