

Quality : POSEIDON-300 Multi-Risk
Fabric Weight : 300gsm (±5%)
Composition : 80% Cotton, 19% Polyester, 1% Antistatic
Usable Width : 150cm
Nominal Length : 100cm
Weave : Twill 2/2
Application : Workwear jackets, trousers and coveralls



Do not bleach, do not boil, do not use soap based products only detergents

Physical Properties

	Warp	Weft
Tensile Strength: (BS EN ISO 13934-1:1999)	1500 N	700 N
Tear Strength: (BS EN ISO 13937-2:2000)	40 N	30 N
Washing Shrinkage: (ISO 5077 after 5 washes ISO 15797)	3%	3%
Abrasion Resistance: (12kPa) (BS EN ISO 12947-2:1999)	28,300 rubs	
Pilling Resistance: (BS EN ISO 12945-2:2001)	4	

Other Properties

Flame retardant	EN ISO 11612:2015 A1, A2, B1, C1, E2, F1 EN ISO 11611:2015 Class 1
Poseidon-300 Flame Retardant fabric resists 100 wash cycles at 75°C according to ISO 15797	
Anti static	EN 1149-5 (1149-3 method 2)
Electric arc	EN 61482-1-2 Class 1 (4kA)
Multi-Risk	EN 13034 (type 6 and PB [6] equipment) Sulphuric acid 30% (IR=3, IP=3) Sodium hydroxide 10% (IR=3, IP=3) o-Xylene (IR=2, IP=2) Butanol-1 (IR=3, IP=3)

Colour Fastness

	Light	Mid	Dark	Special colors
	Orange, Yellow	Green, Grey, Royal Box	Dark Navy, Navy, Royal Blue	Black
Wash Fastness BS EN ISO 105-C06: Method E2S (95°C)				
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 BS EN ISO 105-X12:1995				
Wet	3--4	3--4	2--3	2--3
Dry	4--5	4--5	3	3--4
Light Fastness BS EN 20105/ISO 105-B02				
Light Fastness	3	3--4	3--4	4

The data quoted is based upon specific materials and tested by sources believed to be reliable and XM Textiles make no guarantee, express or implied as to use, handling or possession of its products.

Authorised by: XM Quality control department

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These values are for guidance only, some colours will be better others worse.

Please contact your XM Textiles representative for specific shade details.

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