

**Quality :** VOLCANO Multi-Risk  
**Fabric Weight :** 260gsm (±5%)  
**Composition :** 87% Cotton, 12% Nylon, 1% Antistatic  
**Usable Width :** 150cm  
**Nominal Length :** 100cm  
**Weave :** Satin 4/1  
**Application :** Workwear jackets, trousers and coveralls

**Washing Instructions :** 

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)	1000	600
Tear Strength: (BS EN ISO 13937-2:2000)	29	40
Washing Shrinkage: (ISO 5077 after 5 washes ISO 15797)	3%	3%
Abrasion Resistance: (12kPa) (BS EN ISO 12947-2:1999)	28,000 rubs	
Pilling Resistance: (BS EN ISO 12945-2:2001)	3	

### Other Properties

<b>Flame retardant</b>	EN ISO 11611:2015 Class 1 EN ISO 11612:2015 A1, A2, B1, C1, E2, F1
<b>Anti static</b>	EN 1149-5 (1149-3 method 2)
<b>Electric arc</b>	EN 61482-1-2 Class 1 (4kA)
<b>Multi-Risk</b>	EN 13034 (type 6 and PB [6] equipment) Sulphuric acid 30% (IR=3, IP=2) Sodium hydroxide 10% (IR=3, IP=3) o-Xylene (IR=1, IP=1) Butanol-1 (IR=2, IP=2)

### Colour Fastness

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