

**Quality :** **MADEIRA-320 AS**  
**Fabric Weight :** 320gsm ( $\pm 5\%$ )  
**Composition :** 99% Cotton 1% Antistatic  
**Usable Width :** 150cm  
**Nominal Length :** 100cm  
**Weave :** Twill 3/1  
**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)	1500 N	800 N
Tear Strength: (BS EN ISO 13937-2:2000)	45 N	40N
Washing Shrinkage: (ISO 5077 after 5 washes IS)	3%	3%
Abrasion Resistance: (12kPa) (BS EN ISO 12947)	26,500 rubs	
Pilling Resistance: (BS EN ISO 12945-2:2001)	3--4	

### Other Properties

**Flame retardant**

EN ISO 11612 A1, A2, B1,C1, E3, F1  
EN ISO 11611 :2007 Class 1

**Antictatic**

EN 1149-5 (1149-3 method 2)

### Colour Fastness

	Light	Mid	Dark	Special colors
	Orange, Yellow	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
Stain on Polyester	4--5	4--5	4	4
Stain on Cotton	4	4	4	3--4
<b>Rub Fastness BS EN ISO 105-X12:1995</b>				
Wet	3	3	2--3	2
Dry	4	4	4	4
<b>Light Fastness BS EN 20105/ISO 105-B02</b>				
Light Fastness	3	4	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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