


Quality : **MADEIRA-320**
Fabric Weight : 320gsm ($\pm 5\%$)
Composition : 100% Cotton
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 11611:2015 Class 1
 EN ISO 11612:2015 A1, A2, B1, C1, E3, F1

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 |
| Stain on Polyester | 4--5 | 4--5 | 4 | 4 |
| Stain on Cotton | 4 | 4 | 4 | 3--4 |
| Rub Fastness BS EN ISO 105-X12:1995 | | | | |
| Wet | 3 | 3 | 2--3 | 2 |
| Dry | 4 | 4 | 4 | 4 |
| Light Fastness BS EN 20105/ISO 105-B02 | | | | |
| 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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