



Flame Retardant fabric for FR-clothing

# FIJI

99% COTTON / 1% ANTISTATIC /  
220 GSM / TWILL 2/1



|                     |                                             |
|---------------------|---------------------------------------------|
| Fabric name         | Fiji                                        |
| Fabric weight       | 220 ± 10 gsm                                |
| Composition         | 99% Cotton, 1% Antistatic                   |
| Full width          | 152 ± 2 cm                                  |
| Weave               | Twill 2/1                                   |
| Finishes            | Flame Retardant                             |
| Application         | FR workwear jackets, trousers and coveralls |
| Washing instruction |                                             |

## FR & SPECIAL PROPERTIES

|                 |                                      |                   |
|-----------------|--------------------------------------|-------------------|
| Flame retardant | EN ISO 11612 A1 & A2, B1, C1, E3, F1 | 5×60°C ISO 6330   |
|                 | EN ISO 11611 Class 1                 | 5×60°C ISO 6330   |
|                 | EN ISO 11612 A1 & A2                 | 100×75°C ISO 6330 |
| Anti static     | EN 1149-5 (1149-3 method 2)          | 5×60°C ISO 6330   |
| Arc rating      | EN 61482-1-2                         | 5×60°C ISO 15797  |

## PHYSICAL PROPERTIES

|                                       |                    | warp        | weft |
|---------------------------------------|--------------------|-------------|------|
| Tensile strength, N                   | ISO 13934-1:1999   | 1000        | 480  |
| Tearing strength, N                   | ISO 13937-2:2000   | 18          | 19   |
| Dimensional Stability To Washing, max | ISO 5077-ISO 15797 | 3%          |      |
| Abrasion Resistance                   | ISO 12947-2:1999   | 20,000 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<br>Method E2S (95°C) | ISO 105-C06      | 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                       | ISO 105-X12:1995 | Wet                | 3                   | 3                      | 2-3                         | 2              |
|                                    |                  | Dry                | 4                   | 4                      | 4                           | 4              |
| Light Fastness                     | ISO 105-B02      |                    | 3                   | 4                      | 4                           | 4              |

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