



Flame Retardant fabric for FR-clothing

# POSEIDON-270 Stretch

76% COTTON / 19% POLYESTER / 4% XLANCE® / 1% AS  
270 GSM / TWILL 5/3



|                 |                                              |
|-----------------|----------------------------------------------|
| Fabric name     | Poseidon-270 Stretch                         |
| Fabric weight   | 270 ± 10 gsm                                 |
| Composition     | 76% Cotton, 19% Polyester, 4% XLANCE®, 1% AS |
| Full width      | 150 ± 2 cm                                   |
| Weave           | Twill 5/3                                    |
| Finishes        | Flame Retardant, MR (Multi-Risk)             |
| Area of use     | FR jackets, trousers and coveralls           |
| Domestic wash   |                                              |
| Industrial wash |                                              |

## FR & SPECIAL PROPERTIES

|                 |                                       |                   |
|-----------------|---------------------------------------|-------------------|
| Flame retardant | EN ISO 11612 (A1, A2, B1, C1, E3, F1) | 50×75°C ISO 15797 |
|                 | EN ISO 11611 (Class 1)                | 50×75°C ISO 15797 |
| Electric arc    | EN 61482-2-2                          | 50×75°C ISO 15797 |
| Antistatic      | EN 1149-5 (1149-3 method 2)           | 50×75°C ISO 15797 |
| Multi-Risk      | EN 13034                              | 5×60°C ISO 6330   |
| Hi-Vis          | EN 20471                              | 25×60°C ISO 6330  |

## PHYSICAL PROPERTIES

|                                       |                        | warp       | weft |
|---------------------------------------|------------------------|------------|------|
| Tensile strength, N                   | BS EN ISO 13934-1:1999 | 890        | 630  |
| Tear strength, N                      | BS EN ISO 13937-2:2000 | 21         | 31   |
| Elongation, %                         | BS EN ISO 13934-1:2013 | 12%        | 28%  |
| Dimensional Stability To Washing, max | ISO 5077               | 3%         |      |
| Abrasion Resistance                   | ISO 12947-2:1999       | 2,000 rubs |      |
| Pilling Resistance                    | ISO 12945-2:2001       | 4          |      |

## COLOUR FASTNESS

|                                    |             |                    | Light          | Mid                     | Dark                        | Special |
|------------------------------------|-------------|--------------------|----------------|-------------------------|-----------------------------|---------|
|                                    |             |                    | Orange, Yellow | Green, Grey, Royal Blue | Dark Navy, Navy, Royal Blue | Black   |
| Wash Fastness<br>Method E2S (95°C) | ISO 105-C06 | Colour Change      | 4-5            | 4-5                     | 4-5                         | 4-5     |
|                                    |             | Stain on Polyester | 3-4            | 4                       | 2-3                         | 2-3     |
|                                    |             | Stain on Cotton    | 4              | 4-5                     | 4                           | 3-4     |
| Rub Fastness                       | ISO 105-X12 | Wet                | 3-4            | 3-4                     | 2-3                         | 2-3     |
|                                    |             | Dry                | 4-5            | 4-5                     | 3                           | 3-4     |
| Light Fastness                     | ISO 105-B02 |                    | 3              | 3-4                     | 3-4                         | 4       |

www.xmtextiles.com

### XM TEXTILES EUROPE

Dariaus ir Gireno st. 42A, Room 509  
Vilnius, LT-02189, Lithuania  
Tel. +370 52 078 703  
info@xmtextiles.com

### XM TEXTILES ROMANIA

Sos. Tamasi 20, Hala 6B, Parter,  
Buftea, 070000, Ilfov, Romania  
Tel. +40 31 630 3639  
info@xmtextiles.com

### XM TEXTILES ITALIA SRL

Via dei Notai, Blocco 23, Centergross,  
40050 Fano di Argelato (BO), Bologna, Italy  
Tel. +39 051 952 8202  
info@xmtextiles.com