



Flame Retardant fabric for FR-clothing

STORM-275

75% COTTON / 24% PES / 1% ANTISTATIC

275 GSM / TWILL 2/2



| | |
|---------------------|------------------------------------|
| Fabric name | Storm-275 |
| Fabric weight | 275 ± 10 gsm |
| Composition | 75% Cotton, 24% PES, 1% Antistatic |
| Full width | 152 ± 2 cm |
| Weave | Twill 2/2 |
| Finishes | FR, MR (W-O-A repellent) |
| Application | FR-clothing |
| Washing instruction | |

FR & SPECIAL PROPERTIES

| | | |
|-----------------|------------------------------------|------------------|
| Flame retardant | ISO 11612 (A1, A2, B1, C1, E3, F1) | 50x40°C ISO 6330 |
| | ISO 11611 (Class 1) | 50x40°C ISO 6330 |
| Antistatic | ISO 1149-5 | 50x40°C ISO 6330 |
| Electric arc | ISO 61482-2 (Class 1) | 5x60°C ISO 6330 |
| Hi-Vis | EN 20471 | 50x40°C ISO 6330 |
| Multi-Risk | EN 13034 | 5x60°C ISO 6330 |

PHYSICAL PROPERTIES

| | | warp | weft |
|---------------------------------------|--------------------|--------|------|
| Tensile strength, N | ISO 13934-1:1999 | 1550* | 665* |
| Tearing strength, N | ISO 13937-2:2000 | 28* | 22* |
| Dimensional Stability To Washing, max | ISO 5077-ISO 15797 | <3% | |
| Abrasion Resistance | ISO 12947-2:1999 | 45000* | |
| Pilling Resistance | ISO 12945-2:2001 | N/A | |

COLOUR FASTNESS

| | | | Light | Mid | Dark | Special colors |
|---------------------------------|------------------|--------------------|---------------------|------------------------|-----------------------------|----------------|
| | | | Orange, Yellow, Red | Green, Grey, Royal Box | Dark Navy, Navy, Royal Blue | Black |
| Wash Fastness Method E2S (95°C) | ISO 105-C06 | Colour Change | 4-5 | n/a | n/a | n/a |
| | | Stain on Polyester | 4-5 | n/a | n/a | n/a |
| | | Stain on Cotton | 4-5 | n/a | n/a | n/a |
| Rub Fastness | ISO 105-X12:1995 | Wet | 2-3 | n/a | n/a | n/a |
| | | Dry | 3-4 | n/a | n/a | n/a |

* Tested in a non-accredited laboratory. * N/A - not applicable. www.xmtextiles.com

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