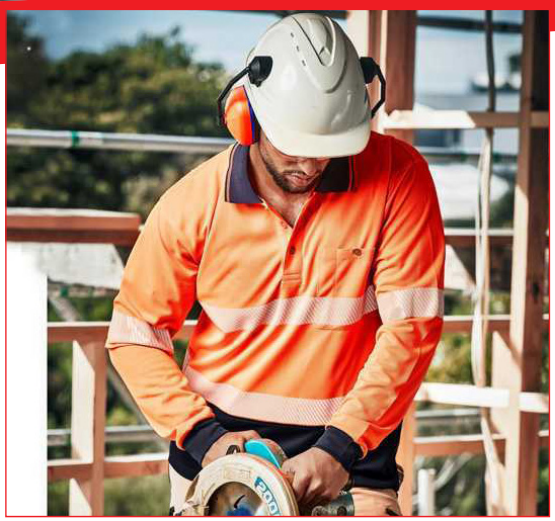
Flame Retardant fabric for FR-clothing

# FR-PIQUE-230

## 60% MODACRYLIC / 38% COTTON / 2 AS
## 230 GSM / KNITTED



| | |
|---|---|
| Fabric name | FR-PIQUE-230 |
| Fabric weight | 230 ± 10 gsm |
| Composition | 60% Modacrylic, 38% Cotton, 2% Antistatic |
| Full width | 160 ± 2 cm |
| Weave | knitted |
| Finishes | - |
| Application | FR-clothing |
| Washing instruction |  |

## FR & SPECIAL PROPERTIES

| | | |
|---|---|---|
| Flame retardant | EN ISO 11612 A1, A2, B1, C1, E1, F2 | 50×40°C ISO 6330 |
| Antistatic | EN 1149-5 (1149-3 method 2) | 50×40°C ISO 6330 |
| Hi-Vis | EN ISO 20471 (HV Yellow) | 50×40°C ISO 6330 |
| Arc rating | EN IEC 61482-1-1 Method A, ATPV 7.5 cal/cm² | 50×40°C ISO 6330 |
| Electric arc | EN 61482-1-2 (box test) – APC 1 (4kA) | 5×40°C ISO 6330 |

## PHYSICAL PROPERTIES

| | | warp | weft |
|---|---|---|---|
| Bursting strength (KPa) | EN ISO 13938-2:2019 | 201 | |
| Dimensional Stability To Washing, max | ISO 6330 | ≤5% | |

## COLOUR FASTNESS

| | | | Light | Mid | Dark | Special |
|---|---|---|---|---|---|---|
| | | | 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 | 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 |



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