EN 11612 EN 1149-5 EN 61482 EN 13034 EN 11611

350 gr/m², 54% Viscose Fr 20% Polyamide 6.6 20% Wool 5% p-aramid 1% Carbon, Inherent Flame Retardant, Antistatic Satin Fabric

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100

## Sample


**ArD3E3 - 5746**
**Red**

**ArD3E3 - 5745**
**Dark Blue**

**ArD3E3 - 5744**
**Black**

**ArD3E3 - 5743**
**Grey**

**ArD3E3 - 5742**
**Navy**

The technical data on this guide is given for information and correct at the time of design. It can be changed without prior notice.

## Description

54% Viscose Fr 20% Polyamide 6.6 20% Wool 5% p-aramid 1% Carbon, inherent flame retardant antistatic satin fabric for molten metal splash protection. ArD3E3 fabric is used to make jacket and trousers for hot metal, steel and aluminum industries. It is resistant to hot metal splash around 1500°C degrees. ArD3E3 are inherent flame retardant with EN 11612 D3 E3 level certification. Suitable for antistatic application, certified for EN ISO 1149-5. It provides arc flash protection with EN 61482 class 1 (4 kA) certification.

## Technical Parameters

| Name | Values | Standards |
|---|---|---|
| Fiber | 54% Viscose Fr (CV FR)<br>20% Polyamide 6.6 (PA6.6)<br>20% Wool (WO)<br>5% p-Aramid (p-AR)<br>1% Carbon (CF) | EN ISO 2076 |
| Yarn | Warp:24/2Ne;<br>Weft:24/2Ne | EN ISO 2060 |
| Weight | 350 ±10 gr/m² | EN ISO 3081 |
| Width | 1600 ±20 mm | EN ISO 3932 |
| Tensile Strength | Warp>1500N; Weft>1000N | EN ISO 13934-1 |
| Tear Strength | Warp>50N; Weft>50N | EN ISO 13937-2 |
| Dimensional Change | -3%<Length<+3%;-3%<Width<+3% | EN ISO 5077 |
| Rubbing Fastness | 4-5 | EN ISO 105 X12 |
| Perspiration Fastness | 4-5 | EN ISO 105 E04 |
| Washing Fastness | 4-5 | EN ISO 105 C06 |
| Dry Cleaning Fastness | 4-5 | EN ISO 105 D01 |
| Hypochlorite Fastness | 4-5 | EN ISO 105 N01 |
| Peroxide Fastness | 4-5 | EN ISO 105 N02 |
| Hot Press Fastness | 4-5 | EN ISO 105 X11 |
| Light Fastness | 4-5 | EN ISO 105 B02 |
| Perspiration Light Fast. | 4-5 | EN ISO 105 B07 |
| pH | 4.0-7.5 | EN ISO 3071 |
| Azo Test | No Azo Colorants. | EN ISO 14362-1 |
| Application | Hot metal protective clothing | |
| Quality Management | Done | ISO 9001 |
| Flame and Heat Protection | D3 E3 | EN ISO 11612 |
| Antistatic | Yes | EN ISO 1149-5 |
| Chemical Resistant | Yes | EN ISO 13034 |
| Arc Protection | Class 1 (4kA) | EN ISO 61482-1-2 |
| ATPV | > 10 cal/cm² | EN ISO 61482-1-1 |
| Welding Protection | Yes | EN ISO 11611 |