



260 gr/m<sup>2</sup>, 79% Cotton  
20% Polyester 1% Carbon,  
VAT Dyed, Flame Retardant  
(100 Wash Resistant),  
Antistatic, 3/1S Twill Fabric



Sample



ArWoWear T20 Flame+Arc Pro -  
4762 YellowArWoWear T20 Flame+Arc Pro -  
4763 OrangeArWoWear T20 Flame+Arc Pro -  
4764 Dark GreenArWoWear T20 Flame+Arc Pro -  
4765 RedArWoWear T20 Flame+Arc Pro -  
4766 Dark BlueArWoWear T20 Flame+Arc Pro -  
4767 BlackArWoWear T20 Flame+Arc Pro -  
4768 NavyArWoWear T20 Flame+Arc Pro -  
4769 GreyArWoWear T20 Flame+Arc Pro -  
4770 Dark NavyArWoWear T20 Flame+Arc Pro -  
4771 Khaki

**Description:** ArWoWear T20 Flame Arc Pro is light weight 260 gr/m<sup>2</sup>, 79% Cotton 20% Polyester 1% Carbon, vat dyed, flame retardant, antistatic workwear fabric. It has flame retardant function with EN ISO 11612 and EN ISO 11611 certification. Due to carbon fibers used on the back side of the fabric it has antistatic certification (EN 1149-5). Protection against thermal hazards of electrical arc (EN 61482-1-2). It is durable up to 100 washing.

### Technical Parameters

| Name                      | Values   | Standards        |
|---------------------------|--|------------------|
| Fiber                     | 20%Polyester, 1%Carbon (CF),<br>79%Cotton (CO) | EN ISO 2076      |
| Yarn                      | Warp:30/2Ne; Weft:30/2Ne                       | EN ISO 2060      |
| Weight                    | 260 ±10 gr/m <sup>2</sup>                      | EN ISO 3081      |
| Width                     | 1600 ±20 mm                                    | EN ISO 3932      |
| Tensile Strength          | Warp>1000N; Weft>800N                          | EN ISO 13934-1   |
| Tear Strength             | Warp>20N; Weft>15N                             | 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            | 6-7  | EN ISO 105 B02   |
| Perspiration Light Fast.  | 4-5  | EN ISO 105 B07   |
| pH                        | 6.0  | EN ISO 3071      |
| Azo Test                  | No Azo Colorants.                              | EN ISO 14362-1   |
| Application               | Flame Retardant Shirt                          |                  |
| Quality Management        | Done   | ISO 9001         |
| Antistatic                | Yes  | EN ISO 1149-5    |
| Flame and Heat Protection | Yes  | EN ISO 11612     |
| Arc Protection            | Class 1 (4kA)                                  | EN ISO 61482-1-2 |
| Welding Protection        | Yes  | EN ISO 11611     |
| ATPV                      | > 10 cal/cm <sup>2</sup>                       | EN ISO 61482-1-1 |