

# MARKO AT320SW

NON FLAMMABLE FABRIC



**DESCRIPTION:**

Comfortable protection against fire and heat

**COLORS:**

a) Standard Colors



Yellow HV



Navy blue

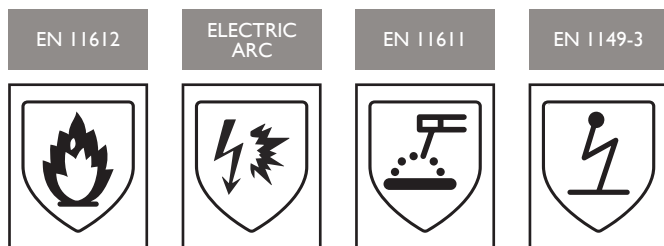
b) Customized colors (300 mts.)



STANDARD 100 2005AN4269 AITEX



STANDARD 100 2022OK2884 AITEX



Article  
**MARKO**  
**AT320SW**

|                     |                            |
|---------------------|----------------------------|
| <b>Composition</b>  | 52% MA 40% CO 6% CNP 2% AT |
| <b>Weave</b>        | Twill 3/1                  |
| <b>Weight</b>       | 360 g/m <sup>2</sup> ± 5%  |
| <b>Usable width</b> | 152 cm                     |

| Technical Specs                            | Results    | Standard             |
|--|------------|----------------------|
| Heat Resistance (180°C)                    | PASS       | ISO 17493            |
| Heat Resistance (260°C)                    | PASS       | ISO 17493            |
| Limited Flame Spread (H)                   | A1         | UNE-EN ISO 15025 (A) |
| Limited Flame Spread (V)                   | A2         | UNE-EN ISO 15025 (B) |
| Convective Heat (s)                        | B1         | UNE-EN ISO 9151      |
| Radiant Heat (s)                           | C1         | UNE-EN ISO 6942      |
| Molten Metal Splashes (Iron)               | E3         | UNE-EN ISO 9185      |
| Contact Heat                               | F1         | UNE-EN ISO 12127-1   |
| Electric Arc (Elim) (cal/cm <sup>2</sup> ) | 9,48*      | EN 61482-1-1         |
| Electric Arc (ATPV) (cal/cm <sup>2</sup> ) | 11*        | EN 61482-1-1         |
| Electric Arc (ATPV) (cal/cm <sup>2</sup> ) | 12,8*      | ASTM F1959           |
| Electric Arc (HAF) (%)                     | 57,9*      | ASTM F1959           |
| Welding and allied processes               | CLASS 1    | UNE-EN ISO 11611     |
| Antistatic                                 | PASS       | UNE-EN 1149-3        |
| Tensile Strength Warp (N)                  | 1.200 ±10% | UNE-EN ISO 13934-1   |
| Tensile Strength Weft (N)                  | 770±10%    | UNE-EN ISO 13934-1   |
| Tear Resistance Warp (N)                   | 20 (-5N)   | UNE-EN ISO 13937-2   |
| Tear Resistance Weft (N)                   | 20 (-5N)   | UNE-EN ISO 13937-2   |
| Dimensional Change Warp (%)                | <3%        | UNE-EN ISO 5077      |
| Dimensional Change Weft (%)                | <3%        | UNE-EN ISO 5077      |

\*Test done on fabric MARKO AT320

Rev.2



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| Color Fastness      |                    | Change | AC   | CO       | PA   | PES | PC   | WO  |
|---------------------|--------------------|--------|------|----------|------|-----|------|-----|
| Washing             | ISO 105 C06 at 60° |        |      |          |      |     |      |     |
| Dry Cleaning        | ISO 105 D01        |        |      |          |      |     |      |     |
| Acid Perspiration   | BS EN ISO 105 E04  |        |      |          |      |     |      |     |
| Alkali Perspiration | BS EN ISO 105 E04  |        |      |          |      |     |      |     |
| Artificial Light    | EN ISO 105 B02     |        |      |          |      |     |      |     |
|                     |                    | Change |      | Staining |      |     |      |     |
| Dry Rubbing         | EN ISO 105 X12     |        |      |          |      |     |      |     |
|                     |                    | Change |      | Staining |      |     |      |     |
|                     |                    | Dry    | Damp | Dry      | Damp | Dry | Damp | Dry |
| Hot Pressing        | EN ISO 105-X11     |        |      |          |      |     |      |     |

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