

METALLURGY



CERTIFICATION:

ISO 11611	ISO 11612	ISO 1149
PASS (Class 1 and 2)	PASS (A1, A2, B1, C1, E3, F1)	PASS (BS EN 1149-3 meth. 2)

* tested at 70°C, domestic wash.

Etna is a flame retardant protective fabric made of 100% long-staple cotton with density of 350 gsm and Satin 4/1 weave. The fabric includes Belltron carbon antistatic yarn in a striped pattern. Etna fr-fabric has the highest level of protection from metal splashes - E3 (ISO 9185).

ASTM F1959 (Electric Arc Rating): **HRC 2**

ATPV = 16.0 cal/cm², HAF = 83%

CARE INSTRUCTIONS:



KEEP IN COOL DRY PLACE, WITH NO DIRECT SUNLIGHT

Etna is a middleweight 350 gsm quality cotton fabric with flame retardant finishing designed for use in Metallurgy. Etna fr-fabric has the highest level of protection from metal splashes - E3, tested by ISO 9185. Satin weave of Etna is extremely useful in protective overalls or bibs of workers letting molten metal drops go off easily from the smooth surface of the fabric. Made of natural fibers it is soft and comfort to wear and at the same time Etna protects from risks of Flash fire, Electric Arc and ESD sparks. Carbon antistatic yarn integrated as stripes in the surface of Etna makes it absolutely safe for use in explosive atmospheres. To prevent Electrostatic Discharge (ESD) sparks, antistatic fibers safely discharge static electricity eliminating the risk of fire and explosion.

SPECIFICATION:

ARTICLE	COMPOSITION	ANTISTATIC	WEIGHT	WEAVE	FULL WIDTH	FINISHES
ETNA	99% COTTON 1% ANTISTATIC THREADS	CARBON THREADS	350 GSM / 10,3 OZ	SATIN 4/1	151 CM (±1 CM)/ 60"	FLAME RETARDANT

PHYSICAL PARAMETERS:

	YARN TYPE	TEARING STRENGTH (ISO 13937-2)	TENSILE STRENGTH (ISO 13934-1)	SHRINKAGE (ISO 6530-2000)
WARP	RING SPUN	40 N	> 1300 N	≤±3%
WEFT	RING SPUN	58 N	> 850 N	≤±3%

COLOUR FASTNESS TO:

WASHING 60°C (ISO 105 C06)		RUBBING (ISO 105 X12)		DRY CLEANING (ISO 105 D01)	PERSPIRATION (ISO 105 E04)	LIGHT (ISO 105 B02)
COLOUR CHANGE	COLOUR STAINING	DRY	WET	-	-	-
4-5	4-5	4-5	4	4-5	4-5	4

STANDARD COLOURS:

RED #128-06	ORANGE #128-07	ROYAL BLUE #128-04	HI-VIZ YELLOW #128-08	GREY #128-02
DARK NAVY #124-01	KHAKI #182-04	GREEN #128-03	YELLOW #128-11	BLACK #128-01