



ERBA ISOLANTI srl

Via Liguria n. 34/31 - 20068 Peschiera Borromeo (MI)
 telef. 02/5530.3089 - fax 02/5530.3127

DATE: Dec. 1.2020	ARAMID FELT ELECTRO FELT TFN 19 (200-450)	Codice TFN19
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Updated 1/11/19		Gruppo A

DESCRIPTION

By needling assembled thermostable fibers. They are aromatic polyamid short fibers.

USE

The same ones as those of our felts of polyester fiber (S.T. 04.8.2). Widely used in motors and wind power Blocking, fillers taping, ... etc.
 Good varnish and resin impregnation.



CLASS: H (180°C)

CHARACTERISTICS

Fiber

Aramid Felt have excellent electrical insulation property. The aramid felt made which it is made of meta-aramid fiber can achieve class H insulation level. Good heat resistance and flame retardant.

Shrinkage at dry heat at 300°C for 15 min = 4 to 6 %.

Shrinkage between room temperature and 250°C=0,9%.

Can be continuously exposed to 260°C as keeps 65% of its resistance after 1000 H in the air at 260°C.

Breaks up at 400-430°C; doesn't melt but carbonizes.

Aramid Felt

REFERENCE	Unit	TFN19	TFN450
Average weight (1)	m ² ± 10%	190±6%	450±5%
Thickness (2)	mm	2,5± / 0,5	5±0,5
Breakdown strength	kV/mm	25	25
Volume Resistivity	(Ω.cm)	10 ¹²	10 ¹²
Breaking strength (3)	In daN fon 0,5 cm	≥ 315	≥50
		≥ 430	≥70
Breaking elongation (3)	L	>100	
		C	>100
Heat Resistance	° C	200	200

- (1) The given figures of weight/m² are theoretic average values.
- (2) Thickness: are measured on 8 superposed layers with a micrometer having a plate of Ø 30 mm and under a constant pressure of 1 Kg, or 425 g/cm². The indicated thickness is an average thickness.
- (3) Resistances are drawn on samples of 5 x 20 cm, the width being seized in 5 cm jaws.
 L – Length direction
 C – Cross direction of the felt.

AVAILABILITY

Rolls of 1000 mm width x m 50 and 100.

Tapes of 10-15-20-30-40 and 50 mm x 20 m.(other widths on request)

Thickness: 5 mm UPON REQUEST