

Filmterm Tape Prepreg



Electrical
insulation
product

Four layers flexible tape, impregnated with B-stage epoxy resin, used for the bandage of low/high voltage coils in cast resin transformers, thermal class F (155 °C).

Characteristics

Filmterm Tape Prepreg is made laminating two inner layers of PET film (23 µm) to two external layers of PET nonwoven (50 µm), impregnated with a B-stage epoxy resin not completely cured. The resin is reactivated at the time of manufacturing at the customer's side by following the appropriate curing process. This leads the product to achieve a solid bonding with the layers it is in contact with.

The product is used in bandage of low and high voltage windings of cast resin transformers.

Suggested curing conditions: 3 hours at 150°C or 5 hours at 130°C

Shelf life: 6 months - temperature between 5°C and 30°C

Formats

The product can be supplied in tapes from 8 mm width upwards, in rolls until 1800 mm, cut in sheets or die-cut according to customer's specifications.

Core internal diameter 76 or 152 mm (3 or 6 inches).

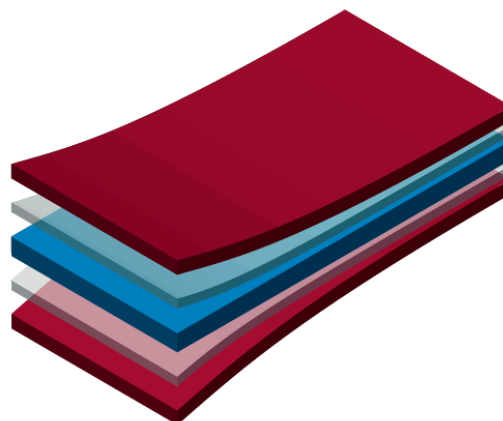
Available color: dark red.

Structure

■ Impregnated PET nonwoven

□ Adhesive

■ PET layers



Technical Data

Properties	Unit	Tolerance	Values
Film Thickness	µm	±10%	23+23
Total Thickness	µm	±10%	0,18
Yield	m ² /Kg	±10%	2
Weight	g/m ²	±10%	200
Breaking Strength	N/10mm	min	90
Elongation	%	min	25
Breakdown Voltage	KV	min	7

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