

Filmterm DMD POLISTRAT



Electrical
insulation
product

Multiple layers flexible insulating laminates, used as spacers between turns of secondary coil of distribution transformers in class F (155 °C).

Characteristics

Insulating flexible laminates DMD POLISTRAT belong to Filmterm family.

The product is used as spacer at the edges of low voltage windings of distribution transformers in class F (155 °C).

The product is made laminating several PET film layers to two layers of PET nonwoven highly calendered, solidly bonded with a solvent glue at controlled reticulation, according to ASTM D1830 standard.

DMD POLISTRAT is a multiple layers laminate, the PET films are giving the product mechanical and dielectric features, while the two nonwoven layers are giving the thermal resistance.

DMD POLISTRAT is UL certified as stated by UL file N. E476331.

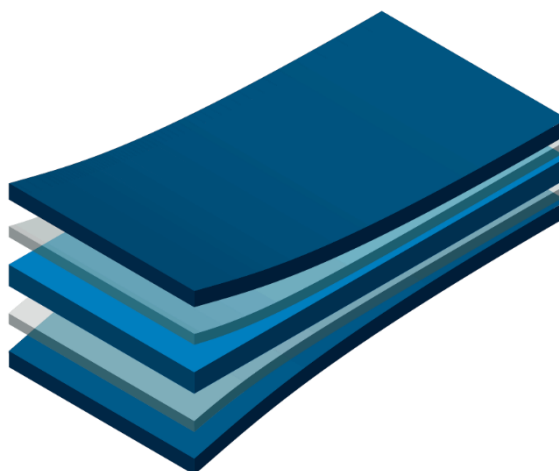
Formats

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).

Structure

- Polyester nonwoven
- Adhesive
- Multiple PET film



Technical Data

Properties	Unit	Tolerance	Values						
Film Thickness	µm	±10%	2x190*	2x250*	2x300*	2x350*	2x350+100*	2x250+2x190*	2x350+2x300*
Total Thickness	µm	±10%	0,50	0,60	0,70	0,80	0,90	1,00	1,50
Yield	m ² /Kg	±10%	1,52	1,25	1,1	0,92	0,8	0,783	0,52
Weight	g/m ²	±10%	657	800	909	1081	1250	1278	1920
Breaking Strength (MD)	N/10mm	min	250	280	300	395	400	400	400
Elongation (MD)	%	min	20	20	20	20	20	20	20
Breakdown Voltage	KV	min	22	24	26	28	30	32	34

*this is just an indication. Filmcutter reserves the possibility of modifying this composition as long as the total thicknesses and tolerances are respected.

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