

Filmterm DMD S



Electrical
insulation
product

Three layers flexible insulating laminates, used for insulation of electric motors and transformers in thermal class F (155 °C).

Characteristics

Insulating flexible laminates DMD S belong to Filmterm family.

The product is used for the insulation of electric motors and transformers in Class F (155°C).

DMD S is made laminating a PET film to two layers of PET nonwoven highly calendered, impregnated with a completely cured epoxy resin, bonded with a solventless glue at controlled reticulation, according to ASTM D1830 standard.

DMD S is a three layers laminate, the PET film is giving the product mechanical and dielectric features, while the two nonwoven layers are giving the thermal resistance.

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

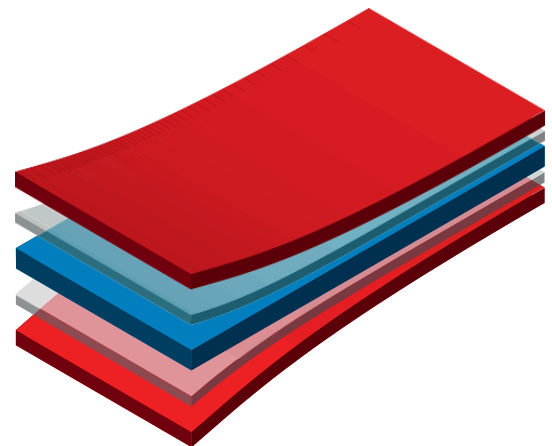
Formats

The product can be supplied in tapes from 8 mm width upwards, in rolls until 2000 mm, cut in sheets or die-cut according to customer's specifications.

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

Structure

- Saturated polyester nonwoven
- Adhesive
- PET film



Technical Data

Properties	Unit	Tolerance	Values									
Film Thickness	µm	±10%	23	36	50	75	100	125	190	250	300	350
Total Thickness	µm	±10%	0,091	0,11	0,15	0,18	0,20	0,23	0,30	0,35	0,40	0,45
Weight	g/m ²	±10%	90	94	125	181	216	251	341	426	494	564
Yield	m ² /Kg	±10%	11,11	10,64	8	5,52	4,63	3,98	2,93	2,35	2,02	1,77
Breaking Strength (MD)	N/10mm	min	60	70	90	105	120	150	200	300	330	350
Elongation (MD)	%	min	15	15	15	15	15	20	20	20	20	20
Breakdown Voltage	KV	min	5	6	6	7	9	10	15	18	20	22

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