

# Filmterm DM S



Electrical  
insulation  
product

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

## Characteristics

Insulating flexible laminates DM S belong to Filmterm family.

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

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

DM S is a two layers laminate, the PET film is giving the product mechanical and dielectric features, while the impregnated nonwoven is 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.

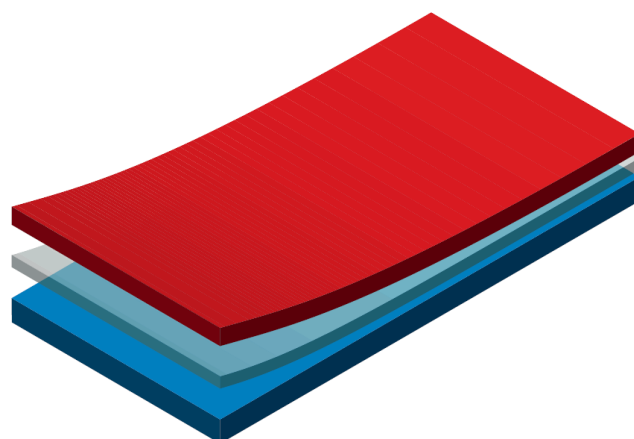
Core internal diameter 76 or 152 mm (3 or 6 inches).

## Structure

■ Saturated polyester nonwoven

□ Adhesive

■ PET film



## Technical Data

Properties	Unit	Tolerance	Values				
Film Thickness	µm	±10%	125	190	250	300	350
Total Thickness	mm	±10%	0,18	0,23	0,30	0,35	0,40
Weight	g/m <sup>2</sup>	±10%	213	303	388	456	533
Yield	m <sup>2</sup> /Kg	±10%	4,69	3,30	2,58	2,19	1,88
Breaking Strength (MD)	N/10mm	min	180	270	300	320	350
Elongation (MD)	%	min	12	12	11	10	10
Breakdown Voltage	KV	min	10	14	16	18	18

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