

Filmterm POLISTRAT



Electrical
insulation
product

Multiple layers flexible insulating laminates, mainly used for the physical and dielectrical separation between primary and secondary coils in cast resin transformers, thermal class F (155° C).

Characteristics

Insulating flexible laminates POLISTRAT belong to Filmterm family.

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

The product is especially used for the physical separation between primary and secondary winding of cast resin transformers in thermal class F (155 °C).

Business notes

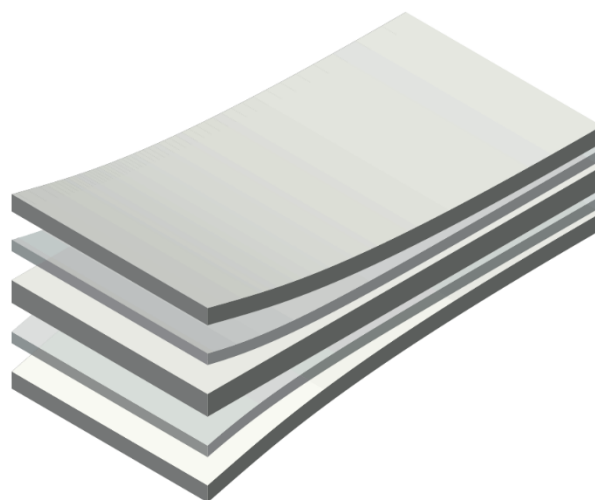
The product can be supplied in rolls from 30 mm 2000 mm width.

Core internal diameter 152 or 250 mm (6 or 10 inches).

Structure

 PET film

 Adhesive



Technical Data

Properties	Unit	Tolerance	Value			
Nominal Thickness	mm	±10%	0,5	0,8	1,2	1,5
Film Composition *	micron	±10%	250x2*	250x3*	350x3*	350x4*
Yield	m ² /kg	±10%	1,39	0,9	0,67	0,49
Weight	g/m ²	±10%	720	1100	1490	2011
Breakdown voltage	kV	min	24	30	32	36
Tang. d-23 °C	1000V/mm-50Hz		4,8 10 ⁻³	4,8 10 ⁻³	4,8 10 ⁻³	4,8 10 ⁻³
Permittivity 23 °C	1000V/mm-50Hz		2,94	2,94	2,94	2,94

*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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