

TECHNICAL INFORMATIONS THERNOMID APiA

PRODUCT DESCRIPTION

THERNOMID APiA flexible insulation material consists of a Polyimide film covered on both sides with uncalendered aramid paper.

APPLICATION

THERNOMID APiA has high thermal resistance (200°C), high tear strength and good dielectric strength. The material is used as a slot and interfaces insulation material in motors and coils of dry transformers.

CHARACTERISTICS

PROPERTIES	0,13(*)	0,15(*)	0,18	0,20(*)	0,23	0,25	0,28	0,30
Composition	2-1-2	2-2-2	3-1-3	3-2-3	5-1-3	5-2-3	5-1-5	5-2-5
Thickness PET	25	50	26	50	25	50	25	50
Weight (g/m ²)	130	165	175	210	225	260	280	315
Tensile strength MD (N/cm)	140	150	160	200	220	240	270	300
Elongation MD (%)	15	17	15	17	15	17	15	17
Breakdown Voltage (kV)	6000	10000	6500	11500	6700	11700	7000	12000
Thermal class	200°C							

(*) THERNOMID APiA of 0.13mm fulfill the requirements of the norm UN EN 45545-2:2015

(*) THERNOMID APiA of 0.15mm and 0.20mm fulfill the requirements of the norm UL 94 VTM-0

PACKAGE

Coils of 100 m² with 970 mm of width. On demand can be supplied in rolls, formats or punch-pressed sections. Cutting tolerance is: ±0.2 mm. In those cases where the sum of the widths rolls is lower than standard coil width, any shortage of over 20 mm will be coiled and supplied with rolls. The standard interior diameter of the cardboard tubes is 70-76 mm.