

TECHNICAL INFORMATIONS THERNOMID AFA/50

PRODUCT DESCRIPTION

AFA/50 is a flexible insulation laminate and consists of polyester film (PETP) covered on both sides with calendered aramid paper. This laminate can be easily inserted due to its good sliding characteristics. Also, it presents excellent resistance to abrasion and breakage.

APPLICATION

Ideal for the construction and repair of all windings which must reach high demands of mechanical, dielectric and thermal resistance (slots and interfaces). Slot insulation, slot closure and interleaving winding in electrical drivers and generators. Layer insulation in dry type transformer.

CHARACTERISTICS

PROPERTIES	0,14	0,15	0,17	0,19	0,22	0,24	0,31	0,37	0,40	0,47
Composition	2-1-2	2-1,5-2	2-2-2	2-3-2	2-4-2	2-5-2	2-7,5-2	2-10-2	2-12-2	2-14-2
Thickness PET	23	36	50	75	100	125	190	250	300	350
Weight (g/m ²)	128	146	166	201	236	271	362	446	516	580
Tensile strength MD (N/cm)	100	150	160	170	190	220	270	330	350	400
Elongation MD (%)	15	15	15	15	15	15	20	20	20	20
Elongation TD (%)	50	50	50	50	50	50	50	50	50	50
Breakdown Voltage (kV)	6	7	8	11	12	14	19	23	25	28
Thermal class	180°C									

PACKAGE

In rolls approx. 910 mm wide. In reels minimum width 5 mm. In sheets. Stamping parts, pre-casted slot liners and slot closures