

## TECHNICAL INFORMATIONS TUFQUIN TPiT

### PRODUCT DESCRIPTION

TufquinTPiT is flexible insulating laminate and consists of Polyimide film, backed on both sides with Tufquin inorganic/organic fibres and a thermally stable adhesive. It shows high thermal conductivity and low water absorption. Excellent abrasion and thermal resistance up to 200°C. This laminate can be easily inserted due to its low friction.

### APPLICATION

Ideal for the construction and repair of electric motors and dry transformers and all windings which require high levels of mechanical, dielectric and thermal resistance (slots and interfaces).

### CHARACTERISTICS

Film thickness	0,12	0,18	0,20	0,23	0,25	0,28	0,30
Weight g / m <sup>2</sup>	145	250	285	260	330	340	375
Yield m <sup>2</sup> /kg	6.90	4.00	3.51	3.85	3.03	2.94	2.67
Tensile strength MD	91	103	138	145	155	160	165
Tensile strength CD	68	79	112	120	130	140	145
Elongation MD	15	15	17	15	17	20	17
Elongation TD	20	20	17	20	17	25	17
Breakdown Voltage	7	7	9	7	9	7	9
Thermal class	N (200°C)						

### PACKAGE

Product in rolls: 50cm-1m in height, originally packed 50kg with the possibility of unwinding smaller quantities, dimensions 0.13 - 0.45mm.

On the customer's request, it is possible to deliver cut products to appropriate dimensions. The minimum order is 50kg. The cutting tolerance is:  $\pm 0.2$  mm. In cases where the sum of the roll widths is lower than the standard coil width, any defects above 20 mm will be rolled and delivered with rollers. The standard inner diameter of the cardboard tubes is 70 mm.