

## TECHNICAL INFORMATION TERCOTT MTS

### PRODUCT DESCRIPTION

TERCOTT MTS flexible insulation laminate consists of a Polyester film (PETP), lined on both sides with Polyester fibers (DMD), with a thermally stable adhesive. It is presented in a white color. This laminate can be easily inserted due to its great sliding powers and have excellent resistance to abrasion and breakage. It is ideal for the construction and repair of all windings that are subject to high mechanical dielectric of thermal resistance demands (slots and inter-phases). (\*) Material's thermal class is defined as class B-F due to the material itself is thermal class B (130°C). However, the material works in a thermal class H system and if the material is impregnated with class H varnish, it becomes a class F material.

### APPLICATION

Tercott MTS is mainly used for the construction and repair of all windings which must reach high demands of mechanical, dielectric and thermal resistance (slots and interfaces).

### CHARACTERISTICS

PROPERTIES	0,11	0,13	0,15	0,18	0,20	0,25	0,30	0,35	0,45
Thickness PET	23	36	50	75	100	125	190	250	350
Weight (g/m <sup>2</sup> )	103	108	138	174	208	234	334	418	558
Tensile strength MD (N/cm)	n.d	65	110	140	160	200	300	350	400
Elongation MD (%)	n.d	20	20	20	20	20	20	20	20
Breakdown Voltage (kV)	4	5	6	7	9	10	15	18	22
Thermal class	155°C								

### PACKAGE

On demand can be supplied in rolls, formats or punch-pressed sections. The cutting tolerance is:  $\pm 0.2$  mm. In those cases where the sum of the widths of the rolls is lower than the 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 76 mm. Tercott MTS is mainly used for the construction and repair of all windings which must reach high demands of mechanical, dielectric and thermal resistance (slots and interfaces).