

REMICAFLX **For Resin Rich Insulation System of Class F**

Product

Remicaflex is a B stage material with exceptional electrical and flexible properties even when subjected to prolonged high temperatures. Remicatherm consists of an impregnated muscovite mica paper with a backing of high quality woven glass fabric bonded with modified silicone resin and most suited for thermal class C \ (220 Deg C) application.

Application

- Used in insulation of both armature and field coils of traction motors upto 220 Deg C where retained flexibility is necessary.
- Used as thermal and electrical insulation on induction furnace coils upto the highest temperatures.
- Used in high voltage machine and turbo generators upto 11 kV to produce flexible coil ends before and after installation together with Remicatherm in the slot portion.

Technical Data

Properties	Values	Testing Method
Thickness	0.16 +/- 0.03 mm	IEC 60371-2
Total Substance	225 +/- 20 GSM	IEC 60371-2
Mica Paper	120 +/- 7 GSM	IEC 60371-2
Glass Content	35 +/- 2 GSM	IEC 60371-2
Binder	70 +/- 10 GSM	IEC 60371-2
Tensile Strength	8 Kg/cm width	IEC 60371-2
Stiffness	55 N/m	IEC 60371-2
Dielectric Constant at 50 Hz at 23 Deg C	2.6	IEC 250
Dielectric Dissipation Factor Tan Delta at 50 Hz and 1.0kV At 180 Deg C	0.05	IEC 250

Finish

The finish of the material is smooth and dry and with tight rolling and sharp and clean edges.

Shelf Life

6 months from the date of manufacture stored at below 20 Deg C

Packing

Remicaflex is supplied in either roll form (max. width 1000mm and length 100 mtrs) or in tape form (in widths of 15, 20 and 25mm and 50 mtr rolls) with an interleaving of moisture proof polythene. The rolls are then packed in strong wooden boxes to avoid any damage during transit or during storage.

Disclaimer: The above is a typical product data sheet for reference purpose only and not intended for specification purpose.