

GLASS BACKED RESIN POOR EPOXY BONDED MICA PAPER TAPES For Class F VPI Insulation System

Product

RDs wide range of mica tapes offers a special type of epoxy resin bonded glass backed mica paper tape for resin poor / VPI class F insulation system. The mica paper shall be uncalcined muscovite grade with a special glass fabric backing bonded with a modified epoxy resin containing a special varnish and accelerator formulation. The epoxy binder used can be varied / modified as per the resin system of the VPI tank to ensure compatibility.

Application

Used for main insulation of stator coils / bars of electrical machines with VPI system

Technical Data

Properties	Values	Testing Method
Thickness	0.14 mm	IEC IEC 60371-2
Thickness Tolerance	+/- 0.02 mm	IEC 60371-2
Width	25 mm +/- 0.5 mm	IEC 60371-2
Total Substance	204 +/- 18 GSM	IEC 60371-2
Mica Paper	160 +/- 13 GSM	IEC 60371-2
Glass Content	23 +/- 2 GSM	IEC 60371-2
Binder Content	21 +/- 3 GSM	IEC 60371-2
Accelerator Content	14% on nominal bond	IEC 60371-2
Volatile	1% max.	IEC 60371-2
Breaking Strength (at 3% elongation)	70 N/mm	IEC 60371-2
Stiffness	60 N/m max.	IEC 60371-2
Break Down Voltage	1.5 kV min.	IEC 60371-2

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

The tape is normally in rolls of 50 meters. Ten rolls shall be stacked and packed in moisture proof paper and polythene and subsequently packed in strong wooden boxes to avoid any type of damage in transit or during storage.

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

