HATIMDIELECTRICS

Insulation class
F 155° C

Resin Poor Tape

[for epoxy based VPI system]

Resin Poor Mica Tapes consist of high grade re constituted mica paper with E low alkali fibreglass fabric / polyester film as a carrier material bonded with specialized epoxy resin to make it a very flexible insulator.

These Tapes are characterized by high flexibility, high resin absorption and retention due to the loose weaving of glass cloth. Due to low compression on application of pressure, these tapes leave no void or empty spaces between and among insulating layers.

Application

Resin poor mica tapes are suitable for insulation of AC / DC motor application where coils are impregnated using the vacuum and pressure impregnation method.

These Tapes are supplied catalysed and uncatalyzed, and are compatible with most commercially available silicone VPI impregnating varnishes / resins.

Availability

Resin poor mica slitted tapes are available in widths of 10mm and above in standard 50-meter rolls. These Tapes are supplied in standard 55mm ID plastic bobbins to facilitate hand and machine taping. Plastic spool ID 40mm, 50mm & 75mm are also available upon request. They are also available in 1000mm wide sheets (folium) in running length and in cut to size wrappers.

Deviations in specifications, construction, sizes or packing can be made upon customers' requests.

Shelf Life

Resin poor mica tapes exhibit a shelf life of 12 months from date of manufacture when stored at 25°C temperature and 50 % relative humidity.

Item	Unit	Resin Poor Tape			
Thickness	mm	0.12	0.13	0.15	0.17
Substance	GSM	200	207	210	234
Mica	GSM	150	160	150	160
Binder	%	< 8	< 8	< 10	14.5
Carrier Material		Polyester		Fibre Glass Cloth	
Facing Material		Mica		Mica	
Stiffness	N / m	< 70	< 75	< 70	< 80
Tear Strength	N	> 100	120	> 120	> 150

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