

# Resin Rich Mica Tape

Resin Rich Mica Tapes consist of high grade re constituted mica paper with E low alkali fibreglass fabric as a carrier material bonded with a high content of specialized epoxy novolac resin evenly impregnated and cured to a B stage.

## Application

Resin Rich Mica Tapes are manufactured to exacting specifications and are widely used as main slot insulation of conductors or straight portion of stator coils and bars of medium and high voltage motors and generators and other parts of electrical machines.

Resin Rich Mica Tapes are supplied in a B stage cure condition so as to retain maximum flexibility to facilitate taping. During the cure, excess resin oozes out from the tapes, gels and with heat and hydraulic pressure, then cures fully to a C stage, removing all air gaps and voids at the time of taping and layering, to give a solid mass of insulation. The homogenous insulation thus produced after pressing and curing achieves a temperature index of at least 155°C.

## Availability

Resin Rich 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 Rich Mica Tapes exhibit a low shelf life of 4 months from date of manufacture when stored at a temperature < 20°C and 50 % relative humidity.

Item	Unit	Resin Rich Mica Tape	
Thickness	mm	0.18	0.20
Substance	GSM	260	295
Mica	GSM	120	150
Binder	%	38	38
Facing Material		Mica Paper	
Carrier Material		Fibre Glass Cloth	
BDV at room temp	kV/ mm (after cure)	35	35
BDV at class temp	kV / mm (after cure)	30	30
Density	(after cure)	1.8	1.8
Tensile	N/cm (MD)	180	200

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