

RUBY MICA® RICH - TAPE

DESCRIPTION

Ruby Mica® Rich - Tape consists of Uncalcined Muscovite Mica paper, glass cloth as carrier and thermo setting Epoxy Novolac resin. Ruby Mica® Rich - Tape is flexible and tack free tape spooled on 55 or 76 mm plastic core. Each adjacent layers are separated by LDP film and can be unreeled in absence of interleaving LDP film. On curing in desired temperature and pressure excellent dielectric, thermal and mechanical properties are obtained.

APPLICATION

Used in insulation of bars and coils of motors and moulded laminates can be used in several products i.e. commutators, tubes and cylinder etc.

AVAILABILITY : Length - 50 - 200 m
: Width - 5 - 1000 mm

PACKING

Tape / rolls are packed in air tight mechanically strong boxes so that these are protected from dirt, dust and moisture. The packing also ensures safe transit and storage.

STORAGE : 6 months at 20° C
: 12 months at 5° C

TECHNICAL DATA

Properties	Test Method	Unit	Value	Value	Value	Value	Value
Nominal Thickness	IEC 60371 - 2	mm	0.12 ±0.01	0.18 ±0.02	0.20 ±0.02	0.24 ±0.02	0.28 ±0.02
Total Substance	IEC 60371 - 2	g/m ²	165 ± 15	265 ± 25	310 ± 25	350 ± 25	460 ± 35
Mica Paper	IEC 60371 - 2	g/m ²	75 ± 5	120 ± 9	150 ± 10	180 ± 12	250 ± 18
Glass Content	IEC 60371 - 2	g/m ²	23 ± 3	32 ± 3	32 ± 3	32 ± 3	32 ± 3
Resin Content	IEC 60371 - 2	g/m ² %	65 ± 10 40	110 ± 10 40	125 ± 15 40	140 ± 15 40	185 ± 20 40
Tensile Strength	IEC 60371 - 2	N/cm	≥ 75	≥ 150	≥ 150	≥ 150	≥ 150
Resin Flow	IEC 60371 - 2	% 90° C 160° C	20 - 60 40 - 70	20 - 60 40 - 70	20 - 60 40 - 70	20 - 60 40 - 70	20 - 60 40 - 70
Volatile Contents	IEC 60371 - 2	%	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 1.0
Break Down Voltage (cured laminate of 1 mm)	IEC 60243 - 1	Kv/mm	> 40	> 40	> 40	> 40	> 40

All information given here is based on test performed in well equipped laboratory of Ruby Mica Co., however the user shall carry out further tests to ensure successful applications as per use.

MANUFACTURER AND EXPORTER

MICA, MICA PAPER MICA SHEET, TAPE, TUBE & PROFILES RESISTANCE WIRE MICA HEATING ELEMENT