

## RUBY MICA® GMP - TAPE

### DESCRIPTION

Ruby Mica® GMP - Tape consists of Uncalcined Muscovite Mica paper reinforced with glass fabric and polyester film suitable for vacuum impregnation process with Epoxy resin. Temperature index of at least 155°C can be obtained after curing. This material also possesses higher Dielectric values.

### APPLICATION

Main insulation of coil, bars of motor and alternator.

AVAILABILITY : Length - 25 - 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
Nominal Thickness	IEC 60371 - 2	mm	0.1 ± 0.01	0.13 ± 0.01	0.16 ± 0.02	0.2 ± 0.02
Total Substance	IEC 60371 - 2	g/m <sup>2</sup>	140 ± 10	195 ± 15	240 ± 20	300 ± 25
Mica Paper	IEC 60371 - 2	g/m <sup>2</sup>	80 ± 5	120 ± 9	160 ± 12	200 ± 15
Glass Content	IEC 60371 - 2	g/m <sup>2</sup>	23 ± 2	23 ± 2	23 ± 2	23 ± 2
Polyester Film	IEC 60371 - 2	g/m <sup>2</sup>	23 ± 2	32 ± 2	32 ± 2	32 ± 2
Resin Content	IEC 60371 - 2	g/m <sup>2</sup>	15 ± 2	20 ± 3	25 ± 5	30 ± 5
Tensile Strength	IEC 60371 - 2	N/cm	≥ 120	≥ 120	≥ 120	≥ 120
Break Down Voltage	IEC 60243 - 1	Kv	> 5	> 6	> 6	> 6
Volatile Contents	IEC 60371 - 2	%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5

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.