

RUBY MICA® GM - TAPE

DESCRIPTION

Ruby Mica® GM - Tape consists of Uncalcined Muscovite / Phlogopite Mica paper, reinforced with glass cloth and Silicone resin as a binder imparts fire resistance properties. Ruby Mica® GM - Tape is suitable for class 'H' resin poor (VPI) insulation system.

APPLICATION

Fire survival cables, H class insulation in transformers etc.

AVAILABILITY : Length - 25 - 500 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	0.1 ± 0.01	0.13 ± 0.01	0.15 ± 0.01	0.18 ± 0.02	0.2 ± 0.02
Total Substance	IEC 60371 - 2	g/m ²	130 ± 10	165 ± 15	195 ± 15	235 ± 20	260 ± 20
Mica Paper	IEC 60371 - 2	g/m ²	80 ± 5	120 ± 9	150 ± 10	180 ± 12	200 ± 15
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 %	15 ± 3 12 - 15	20 ± 3 12 - 15	25 ± 3 12 - 15	30 ± 3 12 - 15	35 ± 3 12 - 15
Tensile Strength	IEC 60371 - 2	N/cm	≥ 75	≥ 100	≥ 100	≥ 100	≥ 100
Volatile Contents	IEC 60371 - 2	%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Break Down Voltage	IEC 60243 - 1	Kv/mm	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15

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.