

## MICA-PGMP-1 Tape

### DESCRIPTION

MICA-PGMP-1 Tape consists of Uncalcined Muscovite Mica paper reinforced with glass cloth backing and finally sandwiched between polyester films on both sides, bonded altogether using a Silicone/Epoxy resin. The material has excellent dielectric properties. The tape is also available in sheet form for higher thickness on request.

### APPLICATION

It is used to insulate the overhangs of high voltage electrical machines as well as in main insulation of copper coils/bars of motor and generators.

### AVAILABILITY

Width - 20 to 1000 mm

Length - 25 to 100 m

### PACKING

Tapes are packed in airtight mechanically strong boxes protecting them from dirt, dust and moisture. The packing also ensures safe transit and storage.

### SHELF LIFE

12 months at 25° C

### TECHNICAL DATA

Properties	Test Method	Unit	Value
Nominal Thickness	IEC 60371 - 2	mm	0.15±0.02
Total Substance	IEC 60371 - 2	g/m <sup>2</sup>	200±15
Mica Paper	IEC 60371 - 2	g/m <sup>2</sup>	100±7
Glass Content	IEC 60371 - 2	g/m <sup>2</sup>	33±3
Polyester Film	IEC 60371 - 2	g/m <sup>2</sup>	2 x 17±2
Resin Content	IEC 60371 - 2	g/m <sup>2</sup>	32±3
Tensile Strength	IEC 60371 - 2	N/cm	≥150
Break Down Voltage	IEC 60243 - 1	kV	>6
Volatile Content	IEC 60371 - 2	%	<0.5

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