

**POLYESTER GLASS MICA (P.G.M)****TYPE : CM 36 GE**

**General description :** This tape is also known as polyester glass mica tape (P.G.M) it is a three layer laminate consist of muscovite mica paper impregnated with thermosetting flexible epoxy resin and sand witted between glass cloth on one side and polyester film on other side.

**Application :** This tape is for end winding insulation for high voltage rotating machine where flexibility and high dielectric strength is required.

**Properties :** Tape is flexible and tack free and suitable for operation at class F (155 deg C)

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Item	Unit	THICKNESS
		0.15 mm
Width	mm	10 mm onwards
Length	m/roll	50 meter onwards
Thickness	mm	0.15 + 0.2
Weight of Tape	g/m <sup>2</sup>	232 + 15
Weight of Mica Paper	g/m <sup>2</sup>	120 + 5
Weight of Polyester film	g/m <sup>2</sup>	17 + 2
Weight of Glass Cloth	g/m <sup>2</sup>	30 + 2
Epoxy Binder content	g/m <sup>2</sup>	65 + 10
Breakdown Voltage	MV/m	> 35
Tensile Strength	N/cm	> 65
Volatile content	%	< 2.0
Thermal class	F	

**Shelf life :**

At temperature of 20 ± 5 deg C - 6 month

At temperature of 5 deg C -12 month

**Delivery :** usually delivered without interleaving in tapes form on standard core of ID 55mm and other ID cores size available on request .

**Joints :** usually tape is supplied without joints. However, 10% rolls may be supplied with 1 joints.

**Health & safety :** While processing this tape we recommend to follow all hygiene and safety standards