

#### GENERAL

LAMICAPGM 2211 - 15 also known as Polyester Glass Mica (P.G.M.) consists of calcined muscovite mica paper impregnated with thermosetting flexible epoxy resin and sandwiched between glass fabric and polyester film. The material is tack free, flexible and suitable for operation at class F (155 deg C) temperature.

#### APPLICATION

For end winding insulation in H.V. Rotating machines where flexibility and high dielectric strength are required.

#### PROPERTIES AND CHARACTERISTICS:

Characteristic	Unit	Value	Test Method
Thickness	mm	0.15 ± 0.03	IEC - 60371-2
Total Weight	g/m <sup>2</sup>	236 ± 23	IEC - 60371-2
Mica Paper	g/m <sup>2</sup>	120 ± 8	IEC - 60371-2
Glass Fabric	g/m <sup>2</sup>	35 ± 3	IEC - 60371-2
Polyester Film	g/m <sup>2</sup>	16 ± 2	IEC - 60371-2
Resin Content	g/m <sup>2</sup>	65 ± 10	IEC - 60371-2
Breakdown Voltage	KV / layer	≥ 4	IEC - 60371-2
Tensile Strength	N/cm	≥ 80	IEC - 60371-2
Stiffness	N/m	≤ 50	IEC - 60371-2

#### SUPPLY:

LAMICAPGM 2211-15 is supplied in tape form of standard widths of 20mm and 25mm wound on 55mm ID polypropylene spools suitable for hand taping. Standard length of Roll is 50mtrs.

#### STORAGE & HANDLING INSTRUCTIONS:

LAMICAPGM 2211-15 tapes must be kept under refrigerated condition & must be exposed to the ambient temperature (outside the polystyrene packing) for at least 6 hours prior to use. Otherwise water condensation can accumulate on the material resulting in unsatisfactory insulation.

#### SHELF LIFE

At standard temperature of 23 ± 5°C - 06 months  
 At refrigerated storage of 05°C - 12 months.

#### JOINTS:

Generally the tapes are supplied without joints. However 20% of the rolls may be supplied with one joint.

#### WORK HYGIENE:

While using LAMICAPGM 2211-15 we recommend to follow the necessary Health & Safety Standards.

Rev. 00 / Issue Date: 11.01.2010

**LIABILITY:** All the above information is based on our own research and experience. We cannot however offer any Guarantee for the information as the manufacturer himself is responsible for any article made with our product. Neither do we accept Liability for any damage which could be caused by the information given hereby

#### Lakshmanan Isola Pvt. Ltd.

Works: Achalu, Ramanagaram 562 159, Karnataka, India Ph +91 80 2727 1266 / 2727 4996 Fax +91 80 2727 1166  
 Regd Off: Casa Fina, 5, Primrose Road, Bengaluru 560 025, India Ph +91 80 4112 4001 Fax +91 80 2559 7778