

TECHNICAL DATASHEET

Vidmica (PGMP)

No 5.186

Description

Vidmica PGMP 5.186 also known as Polyester Glass Mica Polyester (P.G.M.P) is manufactured by bonding Calcined Muscovite Mica Paper, glass fabric and polyester film, on both side using flexible Epoxy resin. This material has a temperature index of 155 and above.

Used as flexible insulation for electrical rotating machines, This product in tape form is suitable for both hand and machine taping, Used for insulation of end windings in the coils of High Voltage Rotating Machines, The product is free from blow holes, wrinkles, dry patches and would be uniformly impregnated and properly laminated.

Properties

Properties	Unit	Value	Test Method
Mica Pacer	g/m ²	75 ± 05	IEC – 60371-2
Glass Fabric	g/m ²	35 ± 3	IEC – 60371-2
Polyester Film	g/m ²	16 (8x 2) ± 02	IEC – 60371-2
Resin Content	g/m ²	60 ± 10	IEC – 60371-2
Thickness	mm	0.13 ± 0.02	IEC – 60371-2
Total Weight	g/m ²	186 ± 20	IEC – 60371-2
Tensile Strength	N/cm	≥150	IEC – 60371-2
Breakdown Voltage	KV/layer	≥4	IEC – 60371-2

Availability

Vidmica PGMP 5.186 is supplied in tape form of standard widths of 20mm and 25mm wound on 55mm ID Polypropylene spools suitable for hand taping. Tapes can be on 25mm ID spools suitable for machine taping. Standard length of roll is 50mtrs.



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Mobilising Energy

Storage Condition

Vidmica PGMP 5.186 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.

At standard temperature of $23 \pm 5^{\circ}\text{C}$ - 06 months

At refrigerated storage of 5°C - 12 months

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

Health & Safety

While Using Vidmica PGMP 5.186 we recommend to follow the necessary Health & Safety Standard

DISCLAIMER

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application