



21049 TRADATE (VA) Italy – Via Rusconi, 6
Tel. +39.0331.811851 – Fax +39.0331.811083

E-Mail vemac@vemac.com

URL www.vemac.com

P.IVA/C.F. 02619480128

Packing

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

Storage 12 months at 20° C

TECHNICAL DATA : GMCAB TAPES

Properties	Test Method	Unit	Value	Value	Value	Value
Total Substance	IEC 60371 - 2	g/m ²	121 ± 10	134 ± 10	175 ± 15	222 ± 16
Mica Paper	IEC 60371 - 2	g/m ²	80 ± 5	80 ± 5	120 ± 9	160 ± 10
Glass Content	IEC 60371 - 2	g/m ²	23 ± 3	34 ± 3	34 ± 3	34 ± 3
Resin Content	IEC 60371 - 2	g/m ²	18 ± 2	20 ± 2	21 ± 3	28 ± 3
Nominal Thickness	IEC 60371 - 2	mm	0.09 ± 0.01	0.10 ± 0.01	0.12 ± 0.01	0.14 ± 0.01
Tensile Strength	IEC 60371 - 2	N/cm	>120	>120	> 120	> 120
Stiffness	IEC 60371 - 2	N/m	< 55	< 55	< 55	< 55
Break Down Voltage	IEC 60243 - 1	Kv	> 1.2	> 1.2	> 1.2	> 1.2

TECHNICAL DATA : GMPCAB TAPES

Properties	Test Method	Unit	Value	Value	Value
Nominal Thickness	IEC 60371 - 2	mm	0.12 ± 0.02	0.14 ± 0.02	0.16 ± 0.02
Total Substance	IEC 60371 - 2	g/m ²	170 ± 17	225 ± 20	257 ± 20
Mica Paper	IEC 60371 - 2	g/m ²	100 ± 7	150 ± 10	180 ± 10
Glass Content	IEC 60371 - 2	g/m ²	35 ± 3	35 ± 3	35 ± 3
Polyester Film	IEC 60371 - 2	g/m ²	16 ± 3	16 ± 3	16 ± 3
Resin Content	IEC 60371 - 2	g/m ²	19 ± 4	24 ± 4	28 ± 4
Tensile Strength	IEC 60371 - 2	N/cm	>150	>150	>150
Break Down Voltage	IEC 60243 - 1	Kv	> 4	> 4	> 4
Volatile Contents	IEC 60371 - 2	%	< 0.5	< 0.5	< 0.5



Glass Mica Cable (GMCAB) Tape

GMCAB Tape is a lamination of uncalcined phlogopite/muscovite mica paper with a glass cloth. A high thermal-grade silicone resin is used as a binder, making it a class 'H' insulation product.

Glass Mica Cable Tape Reinforced with Polyester Film (GMPCAB) Tape

GMPCAB Tape is a lamination of uncalcined phlogopite/muscovite mica paper with PET film one side and glass cloth on the other, making it a three-layer high-performing mica tape. What makes this tape truly special is its unique blend of high tensile strength imparted by glass cloth, strong electrical resistance borrowed from the PET film and superior thermal-sustenance brought about by the use of the best quality mica there is. A high thermal-grade silicone resin is used as a binder, making it a class 'H' insulation product.

An additional layer of PET film secures the mica paper in its position at all times, while providing a seamless mica tape lapping on the wires. The addition of PET film to the glass mica tape reduces the hassle and one time-consuming activity for the cable companies who wrap a single layer of PET film on their cables after wrapping the glass mica tape as well. PET film adds on 3.5kV of break down voltage protection to electric cables operating below 120°C. We ran a lot of suitability tests in our labs in order to study the behavior of PET film at different temperature increments and found out that it simply vanishes without a single trace at 600°C. Thus you can rest assured that the PET film enhances the mica tape's workability multi-fold without altering its fire-fighting properties in any way.

Application

Glass Mica Cable Tapes impart fire-resistant properties to the electric cables and are suitable for power and control cables, instrumentation and signaling cables. Circuit-integrity is ensured by these tough and resilient FRLS cable tapes during fire and in high-temperature environments up to 950°C. Due to their superior flexibility and tensile strength, all our GMCAB / GMPCAB tapes are high-speed taping machine-compatible. The product is compliant to IEC 60371-3-8.

Availability

Pad:

Length 300-500 m
Tape width 5 - 10 mm or in multiple of 5 mm up to 1000 mm
Core ID. 76 mm (max roll diameter – 310 mm)

Traverse spool:

Length 500 m – 15 km
Tape width 5 - 10 mm or in multiple of 5 mm up to 1000 mm
Core ID. 76 mm, 120 mm (max roll diameter – 310 mm)

Traverse spools can be customized as per desired specifications.