

GENERAL

LAMICAPOR 512 is manufactured using uncalcined muscovite mica paper bonded to glass cloth with epoxy resin. Material is without accelerator so that compatible with any epoxy varnish system during VPI.

APPLICATION

LAMICAPOR 512 tapes are used for continuous insulation of coils and bars of HT motors and generators for VPI application. The use of uncalcined muscovite mica paper bonded with adequate resin produces a tape of sufficient porosity for complete impregnation of insulation layer without air pockets after curing.

PRODUCT CHARACTERISTICS:

Characteristics	Unit	Typical Values		Test Method
		512-15	512-18	
Thickness	mm	0.15 ± 0.03	0.18 ± 0.03	IEC - 60371-2
Total Weight	g/m ²	195 ± 20	224 ± 15	IEC - 60371-2
Resin Content	g/m ²	12 ± 3	12 ± 3	IEC - 60371-2
Mica Paper	g/m ²	160 ± 15	180 ± 10	IEC - 60371-2
Glass Fabric	g/m ²	23 ± 2	32 ± 2	IEC - 60371-2
Porosity	Sec/100 ml	800 (approx)	800 (approx)	IEC - 60371-2
Tensile Strength (min)	N/cm	≥ 70	≥ 130	IEC - 60371-2
Breakdown Voltage (min)	KV	≥ 1.5	≥ 1.5	IEC - 60371-2

SUPPLY:

LAMICAPOR 512 is available in two thickness. 512-15 is 0.15 mm thick and 512-18 is 0.18mm thick. This can be supplied in tape form in standard width of 25 mm. Standard length of the tape roll is 50 mtrs wound on 55mm ID polypropylene spools suitable for hand taping. Tape is also suitable for machine taping can be supplied on 25 mm ID spool with or without notches as per customer requirements.

STORAGE & HANDLING INSTRUCTIONS:

LAMICAPOR 512 must be kept under controlled temperature condition.

SHELF LIFE

At standard temperature of 23 ± 5°C - 12 months

At refrigerated storage of 05°C - 24 months.

JOINTS:

The tapes are supplied without joints. However 10% of the rolls may be supplied with one joint.

WORK HYGIENE:

LAMICAPOR 512 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

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