

GENERAL

LAMICAPOR 6124-18 is an accelerator free end winding insulation composed of uncalcined muscovite mica paper sandwiched between glass cloth and electrical grade polyester fleece bonded with modified epoxy resin as binder.

APPLICATION

LAMICAPOR 6124-18 tapes are used in high voltage motor up to 6.6 KV for end winding and end connection insulation of coils which are to be exposed to VPI application. This product is suitable for impregnation with polyesterimide resin. 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
Thickness	mm	0.18 ± 0.02	IEC - 60371-2
Total Weight	g/m ²	240 ± 16	IEC - 60371-2
Resin Content	g/m ²	38 ± 8	IEC - 60371-2
Glass Fabric	g/m ²	23 ± 2	IEC - 60371-2
Mica Paper	g/m ²	160 ± 12	IEC - 60371-2
Polyester Fleece	g/m ²	20 ± 3	IEC - 60371-2
Porosity	Sec / 100 ml	≤ 2000	IEC - 60371-2
Tensile Strength	N/cm	≥ 80	IEC - 60371-2
Breakdown Voltage	KV/Layer	≥ 1.5	IEC - 60371 2

SUPPLY:

LAMICAPOR 6124-18 is supplied in tape form in standard width of 20 and 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 6124-18 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:

While using LAMICAPOR 6124-18 we recommend to follow the necessary Health & Safety Standards

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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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