

GENERAL

LAMICAPOR 413 is made out of muscovite mica paper with aramid fibrils laminated on woven glass cloth using silicone as binder. This material is having temperature Class H

APPLICATION

LAMICAPOR 413 are used as main insulation for high voltage motors which operates at very high temperature and for Traction Motors of thermal class -H and above. They are suitable for total impregnation by means of Vacuum Pressure Impregnation (V PI) process.

PRODUCT CHARACTERISTICS:

Characteristics	Unit	Typical Values		Test Method
		413-11	413-12	
Thickness	mm	0.11 ± 0.03	0.12 ± 0.03	IEC - 60371-2
Total Weight	g/m ²	155 ± 16	164 ± 17	IEC - 60371-2
Mica Content (Including 5% Aramid Fibrils)	g/m ²	120 ± 10	120 ± 10	IEC - 60371-2
Glass Fabric	g/m ²	23 ± 2	32 ± 3	IEC - 60371-2
Resin Content	g/m ²	12 ± 4	12 ± 4	IEC - 60371-2
Aramid Content	g/m ²	6 ± 1	6 ± 1	IEC - 60371-2
Porosity	Sec/100 ml	≤ 6500	≤ 6500	IEC - 60371-2
Tensile Strength	N/cm	≥ 80	≥ 100	IEC - 60371-2
Breakdown Voltage	KV / Layer	1.00	1.00	IEC - 60371-2

SUPPLY:

LAMICAPOR 413 is available in two thickness. 413-11 is 0.11 mm thick and 413-12 is 0.12mm thick. This can be supplied in tape form in standard width of 15 mm. Standard length of the tape roll is 30 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 413 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 413 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