

GENERAL

LAMICAFILM 221-09-04, manufactured using calcined muscovite mica paper laminated on electrical grade polyester film using epoxy as a binder. A special hot melt adhesive will be coated on the outer surface of polyester film which melts at temperature above 120° C.

APPLICATION

LAMICAFILM 221-09-04 used for taping individual conductors for stack consolidation in high and low voltage windings. Conductors insulated with this tape can be glued together by short pressing at temperature above 120° C.

PROPERTIES AND CHARACTERISTICS:

Characteristic	Unit	Values	Test Method
Thickness	mm	0.09 ± 0.015	IEC - 60371-2
Total Weight	g/m ²	131 ± 12	IEC - 60371-2
Mica Paper	g/m ²	75 ± 5	IEC - 60371-2
Polyester Film	g/m ²	42 ± 3	IEC - 60371-2
Resin Content	g/m ²	12 ± 3	IEC - 60371-2
Adhesive Content	g/m ²	2 ± 1	IEC - 60371-2
For Tape Rupture	Kg/cm	≥ 2.0	IEC - 60371-2
For Mica Cracking	Kg/cm	≥ 1.2	IEC - 60371-2
For Tape Rupture	%	≥ 25	IEC - 60371-2
For Mica Cracking	%	≥ 03	IEC - 60371-2
Stiffness	N/m	≤ 40	IEC - 60371-2
Breakdown Voltage	KV / layer	≥ 5	IEC - 60371-2
Tensile Strength	N/cm	≥ 20	IEC - 60371-2

SUPPLY:

LAMICAFILM 221-09-04 is supplied in tape form of standard widths of 12mm and 15mm wound on 76mm D polypropylene spools suitable for machine taping. Standard length of Roll is 500 mtrs. Also can be supplied at 200 & 400 Mtrs length on specific request.

STORAGE & HANDLING INSTRUCTIONS:

LAMICAFILM 221-09-04 tapes must be kept under controlled temperature condition & must be exposed to the ambient temperature s prior to use. Otherwise water condensation can accumulate on the material resulting in unsatisfactory insulation.

SHELF LIFE

At standard temperature of 23 ± 5°C - 12 months
At refrigerated storage of 05°C - 18 months.

JOINTS:

Rolls with more than 200 Mtrs will have one joint. For joints we use Kapton adhesive tape. So need not to stop the winding machine at each joint.

WORK HYGIENE:

While using LAMICAFILM 221-09-04 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