

#### GENERAL

LAMICAFILM 221-09, Polyester film backed Epoxy bonded calcined mica paper tape / Folium. The homogenous insulation produced after pressing and curing has a temperature index of 155 and above

#### APPLICATION

LAMICAFILM 221-09 is used for insulating individual conductors in high voltage machines and group of conductors in low voltage windings.

#### PROPERTIES AND CHARACTERISTICS:

Characteristic	Unit	Values	Test Method
Thickness	mm	0.09 ± 0.01	IEC - 60371-2
Total Weight	g/m <sup>2</sup>	131 ± 11	IEC - 60371-2
Mica Paper	g/m <sup>2</sup>	75 ± 5	IEC - 60371-2
Polyester Film	g/m <sup>2</sup>	42 ± 3	IEC - 60371-2
Resin Content	g/m <sup>2</sup>	14 ± 3	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 is supplied in tape form of standard widths of 12mm and 15mm wound on 76mm ID polypropylene spools suitable for machine taping. Standard length of the Roll is 500 mtrs. Also can be supplied at 200 & 400 Mtrs length on specific request.

#### STORAGE & HANDLING INSTRUCTIONS:

LAMICAFILM 221-09 tapes must be kept under controlled temperature condition & must be exposed to the ambient temperature 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 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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