

GENERAL

LamicaMat 2212-15-05 is manufactured using Calcined mica paper sandwiched with PET film and reinforced with glass fibres.

APPLICATION

LamicaMat 2212-15-05 is used as turn and ground insulation on AC stator coils and flexible leads for high voltage machines. Material also can be used for overhang insulation of HT coils up to 11 KV. The material is suitable for meeting temperature index of 155.

PROPERTIES AND CHARACTERISTICS:

| Characteristic | Unit | 2212-15-05 | Test Method |
|-------------------|------------------|--------------------|---------------|
| Thickness | mm | 0.15 ± 0.02 | IEC - 60371-2 |
| Total Weight | g/m ² | 197 ± 17 | IEC - 60371-2 |
| Mica Paper | g/m ² | 110 ± 8 | IEC - 60371-2 |
| Resin Content | g/m ² | 45 ± 5 | IEC - 60371-2 |
| Polyester Film | g/m ² | (2 × 8 ± 1) 16 ± 2 | IEC - 60371-2 |
| Glass Fibre | g/m ² | 26 ± 2 | IEC - 60371-2 |
| Stiffness | N/m | ≤ 30 | IEC - 60371-2 |
| Breakdown Voltage | KV / layer | ≥ 5.00 | IEC - 60371-2 |
| Tensile Strength | N/cm | ≥ 140 | IEC - 60371-2 |

SUPPLY:

LAMICAMAT 2212-15-05 is supplied in tape form of standard width of 20mm and 25mm wound on 55mm ID plastic spool.

The standard length of the tape roll is 50 mtrs.

STORAGE & HANDLING INSTRUCTIONS:

LAMICAMAT 2212-15-05 tapes can be stored at room temperature of 25 °C. If kept under refrigerated condition & must be exposed to the ambient temperature (outside the polystyrene packing) for at least 6 hours prior to use. Otherwise water condensation can accumulate on the material resulting in unsatisfactory insulation.

SHELF LIFE

LAMICAMAT 2212-15-05 tapes have no shelf life limitation for a period of one year when stored under room temperature of 25 °C.

JOINTS:

Generally the tapes are supplied without joints. However 20% of the rolls may be supplied with one joint.

WORK HYGIENE:

While using LAMICAMAT 2212-15-05 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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