

#### GENERAL

LAMICAGLASS 214-13 is a flexible, dry, impregnable epoxy resin bonded glass cloth backed mica paper tape / sheet. Lamica paper used is Phlogopite mica (Green Mica). It has a temperature index above 180 and is suitable for use with high temperature resins presently used in modern Traction Machines for impregnation.

#### APPLICATION

LAMICAGLASS 214-13 is used as pole insulation in thermal class "H" Traction & DC Motor.

#### PRODUCT CHARACTERISTICS:

| Characteristics   | Unit             | Typical Values | Test Method   |
|-------------------|------------------|----------------|---------------|
| Thickness         | mm               | 0.13 ± 0.03    | IEC - 60371-2 |
| Total weight      | g/m <sup>2</sup> | 157 ± 20       | IEC - 60371-2 |
| Mica Paper        | g/m <sup>2</sup> | 90 ± 8         | IEC - 60371-2 |
| Glass Fabric      | g/m <sup>2</sup> | 32 ± 3         | IEC - 60371-2 |
| Resin Content     | g/m <sup>2</sup> | 35 ± 9         | IEC - 60371-2 |
| Tensile Strength  | N/cm             | ≥ 100          | IEC - 60371-2 |
| Stiffness         | N/m              | ≤ 30           | IEC - 60371-2 |
| Breakdown Voltage | KV/Layer         | ≥ 1.0          | IEC - 60371-2 |

#### SUPPLY:

LamicaGlass 214-13 supplied in tape form having standard width of 25 and 32 mm. Standard length of the roll is 30 mtrs wound on 55 mm ID polypropylene spools suitable for hand taping.

#### STORAGE & HANDLING INSTRUCTIONS:

LamicaGlass 214-13 must be kept under controlled temperature condition. Keep away from dust and moisture.

#### 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 LamicaGlass 214-13 we recommend to follow the necessary Health & Safety Standards.

Rev. 00 / Issue Date: 10.02.2011

**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