



CARIGUE AISLANTES, SL

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PRODUCT INFORMATION

FLEXIBLE MICAPAPER P5450

COMPOSITION

P5450 is a flexible laminate consisting of phlogopite mica paper and silicon resin. It can be also supplied with one or two sides covered with a glass cloth.

PROPERTIES AND APPLICATION

P5450 remains flexible also after thermal stress. It is suitable for temperatures up to a range of 900 - 1100°C.

The product is used e. g. as a cover plate for heating elements, as washer or insulating spacer in thermal high stressed machines and equipment and also for gaskets in internal combustion engines and waste gas plants.

TECHNICAL DATA

| Properties | Test method | Unit | Value | Value | Value | Value |
|----------------------|-------------|------------------|-----------|-----------|-----------|-----------|
| Nominal thickness | | mm | 0,20 | 0,30 | 0,40 | 0,50 |
| Tolerance | IEC 271-2 | mm | ± 0,025 | ± 0,030 | ± 0,040 | ± 0,050 |
| Total substance | IEC 271-2 | g/m ² | 345 ± 31 | 525 ± 50 | 705 ± 67 | 885 ± 84 |
| Mica content | IEC 271-2 | g/m ² | 320 ± 26 | 480 ± 45 | 640 ± 60 | 800 ± 65 |
| Resin content | IEC 271-2 | g/m ² | 25 ± 5 | 45 ± 5 | 65 ± 7 | 85 ± 9 |
| Tensile strength | IEC 271-2 | N/10mm | ≥ 20 | ≥ 30 | ≥ 40 | |
| Breakdown voltage | IEC 271-2 | kV | ≥ 3,2 | ≥ 5 | ≥ 6 | |
| Thermal conductivity | DIN 52 612 | W/mK | 0,7 - 0,8 | 0,7 - 0,8 | 0,7 - 0,8 | 0,7 - 0,8 |

Shelf Life: It can be stored unlimited under normal conditions (20°C, 50% r. h.).

Availability: Sheets: approx. 1000 x 1000 mm
Rolls: approx. 1000 mm wide, standard roll length 50 - 100 m (variable)
Tapes: from 30 mm width upwards, tolerance: ± 1 mm
Material will be supplied without release film.
Material can be optionally supplied with one or two glass cloth layers.