

EGSB 0483

Semiconductive Polyester-Fabric-Tape

Composition

EGSB 0483 consists of polyester fabric, impregnated with a mixture of silicon carbide and a special resin.

Properties

EGSB 0483 is a flexible, fully cured tape which shows resistance characteristic depending on voltage level due to the silicon carbide.

Application

EGSB 0483 is used for insulating systems in Resin Rich Technology as de-stressing covering on the overhang part of coils of high voltage machines.

Technical Data

| Properties | Testmethod | Unit | Value |
|--|------------|-------------------------|---|
| Nominal thickness | | mm | 0,28 |
| Tolerance | DIN 863 | mm | ± 0,04 |
| Total substance | IPV Nr. 18 | g/m ² | 360 ± 35 |
| Tensile strength | DIN 53455 | N/10mm | ≥ 80 |
| Elongation | DIN 53455 | % | ≥ 10 |
| Surface resistance (measuring voltage 1000 V, DC) | IEC 93 | Ohm/square | ≥ 10 ¹¹ |
| Current characteristic (50 Hz) Voltage (kV/cm): 1,0 / 2,0 / 3,0 / 4,0 / 5,0 / 6,0 (after 2h 160°C) | IPV no. 65 | A/cm x 10 ⁻⁶ | ca. 0,8 / ca. 2,0 / ca. 3,2 / ca. 8 / ca. 15 / ca. 37 |

Shelf Life:

EGSB 0483 can be stored unlimited under normal conditions (20° C, 50% r. H.).

Availability:

Tapes 20 mm wide
Other widths on request.