

mica products

Flexiso® FI 17010

Material: Flexiso® FI 17010 is made of phlogopite-mica and glass fibers, which is coated with a special silicone resin.

Properties: Flexiso® FI 17010 is asbestos-free, very flexible and offers high tensile strength, fire resistance and can be applied at temperatures up to 950°C. Flexiso® FI 17010 has good corona- and radiation-resistance as well as good mechanical and electrical properties.

Applications: Flexiso® FI 17010 can be used for many applications, e.g. to insulate fire resistant cables.

Delivery forms: Flexiso® FI 17010 is available in thicknesses of 0,08 – 0,16 mm. It is available as strip from a width of 4 mm. Other thicknesses and delivery forms upon customer request.

Applications: Flexiso® FI 17010 lasts for a year if stored at room temperature.

Flexiso® FI 17010

| Properties | Unit | Tolerance | Value | | |
|-----------------------------------------------------------|------------------|-----------|---------|------|------|
| Thickness | Mm | ± 0,015 | 0,10 | 0,12 | 0,13 |
| Strip weight | g/m ² | ± 10-15 | 135 | 170 | 180 |
| Mica content | g/m ² | ± 6-10 | 80 | 110 | 120 |
| Glass content | g/m ² | ± 2-3 | 24 | 34 | 34 |
| Breakdown voltage | kV | | >1,3 | >1,5 | >1,7 |
| Tensile strength | N/15 mm | | ≥180 | ≥200 | ≥200 |
| Adhesive content | g/m ² | ± 5 | 11 | 15 | 19 |
| Fire classification acc. to IEC 331, BS 6387, DIN 4102 | °C | | 750-950 | | |

Trademark information: Flexiso® is a registered trademark of company Dr. Dietrich Müller GmbH, Germany.

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.