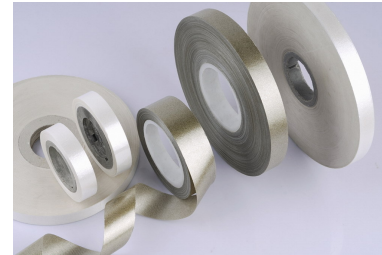


Free of halogens and toxic gases, the glasscloth mica tape is used in the fabrication of fire resistant cables. Being high flexible, you can easily use it with high speed taping machines.

The glass cloth phlogopite mica tape consists of a thin phlogopite mica paper which is steeped in a specific high temperature binder and strengthened thanks to a glass cloth outside the mica. Even if the silicone binder is converted into inorganic dioxide when the mica is exposed to flames, the mica keeps a high electrical insulation at high temperature. Moreover, this mica product produces no toxicity at all and therefore there is no need of any specific protection.



Any dimensions upon request (pads and spools).

**Mica tape 0,10 mm - ref : P-0,10 FG 32**


| Properties                 | Standard (*) | Values      | Units            |
|----------------------------|--------------|-------------|------------------|
| <b>Composition</b>         |              |             |                  |
| Tape thickness             | IEC 371-2    | 0,1 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 88 ± 5      | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2      | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 18 ± 3      | g/m <sup>2</sup> |
| total weight               |              | 138 ± 10    | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5       | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5       | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,2       | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120       | N/cm             |

**Mica tape 0,11 mm - ref : P-0,11 FG 32**

| Properties                 | Standard (*) | Values       | Units            |
|----------------------------|--------------|--------------|------------------|
| <b>Composition</b>         |              |              |                  |
| Tape thickness             | IEC 371-2    | 0,11 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 95 ± 5       | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2       | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 18 ± 3       | g/m <sup>2</sup> |
| total weight               |              | 145 ± 10     | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5        | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5        | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,2        | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120        | N/cm             |

**Mica tape 0,12 mm - ref : P-0,12 FG 32**

| Properties                 | Standard (*) | Values       | Units            |
|----------------------------|--------------|--------------|------------------|
| <b>Composition</b>         |              |              |                  |
| Tape thickness             | IEC 371-2    | 0,12 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 110 ± 6      | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2       | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 19 ± 3       | g/m <sup>2</sup> |
| total weight               |              | 161 ± 15     | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5        | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5        | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,4        | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120        | N/cm             |

|   |   |                   |  |
|---|---|-------------------|--|
|  | <b>TECHNICAL SPECIFICATIONS</b>           |                   |  |
|   | <b>Phlogopite mica tape - glass cloth</b> |                   |  |
| Reference   | Date                                      | Total page number |  |
| <b>TDS-1 (English)</b>  | <b>5/01/2015</b>                          | <b>1</b>          |  |

**Mica tape 0,13 mm - ref : P-0,13 FG 32**

| Properties                 | Standard (*) | Values       | Units            |
|----------------------------|--------------|--------------|------------------|
| <b>Composition</b>         |              |              |                  |
| Tape thickness             | IEC 371-2    | 0,13 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 125 ± 8      | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2       | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 20 ± 3       | g/m <sup>2</sup> |
| total weight               |              | 177 ± 15     | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5        | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5        | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,4        | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120        | N/cm             |

**Mica tape 0,14 mm - ref : P-0,14 FG 32**

| Properties                 | Standard (*) | Values       | Units            |
|----------------------------|--------------|--------------|------------------|
| <b>Composition</b>         |              |              |                  |
| Tape thickness             | IEC 371-2    | 0,14 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 135 ± 8      | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2       | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 23 ± 3       | g/m <sup>2</sup> |
| total weight               |              | 190 ± 15     | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5        | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5        | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,4        | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120        | N/cm             |

**Mica tape 0,15 mm - ref : P-0,15 FG 32**

| Properties                 | Standard (*) | Values       | Units            |
|----------------------------|--------------|--------------|------------------|
| <b>Composition</b>         |              |              |                  |
| Tape thickness             | IEC 371-2    | 0,15 ± 0,015 | mm               |
| phlogopite mica content    | IEC 371-2    | 145 ± 8      | g/m <sup>2</sup> |
| glass content              | IEC 371-2    | 32 ± 2       | g/m <sup>2</sup> |
| binder content             | IEC 371-2    | 25 ± 3       | g/m <sup>2</sup> |
| total weight               |              | 202 ± 20     | g/m <sup>2</sup> |
| <b>Weight loss</b>         | IEC 371-2    | < 0,5        | %                |
| <b>Water absorption</b>    | IEC 371-2    | < 0,5        | %                |
| <b>Dielectric strength</b> | IEC 371-2    | > 1,5        | KV/layer         |
| <b>Tensile strength</b>    | ISO 527      | > 120        | N/cm             |

**Storage** at room temperature during 3 years