

## Technical Data Sheet

# Durostone<sup>®</sup> EPX -M S11

GFK-EP

### Typical industries

- Generatori e motori
- Healthcare
- Industria elettrica
- Ingegneria meccanica e impiantistica
- Trasformatori in olio

|                                               | Test method | Unit                | Guideline value |
|-----------------------------------------------|-------------|---------------------|-----------------|
| <b>Mechanical properties</b>                  |             |                     |                 |
| Density                                       | ISO 1183    | g / cm <sup>3</sup> | 2,1             |
| Flexural strength <sup>⊥</sup>                | ISO 178     | MPa                 | 600             |
| Flexural strength <sup>⊥</sup> +150°C         | ISO 178     | MPa                 | 300             |
| Modulus of elasticity in flexion <sup>⊥</sup> | ISO 178     | MPa                 | 30000           |
| Compressive strength (tangential)             | ISO 604     | MPa                 | 450             |
| Compressive strength (axial)                  | ISO 604     | MPa                 | 90              |
| Compressive strength (radial)                 | ISO 604     | MPa                 | 90              |
| Tensile strength II RT                        | ISO 527     | MPa                 | 600             |
| <b>Thermal properties</b>                     |             |                     |                 |
| Flammability                                  | UL 94       | /                   | V0 (> 8mm)      |
| Temperature index                             | IEC 60216   | T.I.                | 180             |
| Insulation class                              | IEC 60085   | /                   | H               |
| <b>Dielectrical properties</b>                |             |                     |                 |
| Electric strength 90°C under oil <sup>⊥</sup> | IEC 60243   | kV / mm             | 5               |
| Electric strength 90°C under oil II           | IEC 60243   | kV/25mm             | 35              |
| Comparative tracking index                    | IEC 60112   | CTI                 | 600             |

<sup>⊥</sup> = perpendicular to the lamination II = parallel to the lamination

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee

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