

Technical Data Sheet

Durostone® PMP 325

GFK-UP

Typical characteristics

- Good mechanical properties
- Electrically insulating
- Chemical resistant
- Flame retardant
- Self-extinguishing
- Good handling
- Low weight
- Good weather resistance
- Smooth surface
- Good thermal insulation
- Homogeneously smooth surface for good paint adhesion

Typical industries

- 电气行业
- 车辆构造
- 公共汽车
- 轨道技术和车辆
- 交通工程和基础设施
- Healthcare
- 风能

| | Test method | Unit | Guideline value |
|--|---------------|-------------------------|-----------------|
| General properties | | | |
| Standard Color | | | RAL 7035 |
| Mechanical properties | | | |
| Flexural strength \perp | ISO 178 | MPa | 170 |
| Modulus of elasticity in flexion \perp | ISO 178 | MPa | 11000 |
| Compressive strength \perp | ISO 604 | MPa | 220 |
| Tensile strength II | ISO 527 | MPa | 100 |
| Thermal properties | | | |
| Flammability | IEC 60707 | / | VO/3mm |
| Coefficient of linear expansion \perp | TMA (Mettler) | $10^{-6} \times K^{-1}$ | 55 to 65 |
| Coefficient of linear expansion II | TMA (Mettler) | $10^{-6} \times K^{-1}$ | 15 to 25 |
| Temperature of deflection under load | IEC 893-2 | °C | >200 |
| Thermal conductivity | ISO 8302 | W/m K | 0.3 |
| Physical properties | | | |
| Glass content | ISO 11667 | % | 30 |

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| | Test method | Unit | Guideline value |
|--|-------------|---------|-----------------|
| Dielectrical properties | | | |
| Electric strength 90°C under oil \perp | IEC 60243 | kV / mm | 12 |
| Electric strength 90°C under oil II | IEC 60243 | kV/25mm | 75 |
| Comparative tracking index | IEC 60112 | CTI | 600 |

\perp = perpendicular to the lamination II = parallel to the lamination

¹⁾ Extrapolated value

²⁾ Thermal conductivity calculated by means of reference measurements on samples of 300 x 200 x 10 mm

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 declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: www.roechling-industrial.com/gtc

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