

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

- Electrical Industry
- Vehicle Construction
- Bus
- Rail Technology and Vehicles
- Traffic Engineering & Infrastructure
- Healthcare
- Wind Energy

	Test method	Unit	Guideline value
General properties			
Standard Color			RAL 7035
Mechanical properties			
Flexural strength [⊥]	ISO 178	MPa	150
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	9500
Compressive strength [⊥]	ISO 604	MPa	220
Thermal properties			
Flammability	IEC 60707	/	VO/3mm
Coefficient of linear expansion [⊥]	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	55 to 65
Coefficient of linear expansion II	TMA (Mettler)	10 ⁻⁶ x 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			
Density	ISO 1183	g / cm ³	1.75
Glass content	ISO 11667	%	26

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

[⊥] = 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 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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