

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	170
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	11000
Compressive strength [⊥]	ISO 604	MPa	220
Tensile strength II	ISO 527	MPa	100
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			
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

= 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

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