Technical Data Sheet

Durostone® WGR 781

GFK-EP

Typical characteristics

- Fibre-reinforced composite material developed for applications in the field of wave soldering (max. continuous operating temperature 280 °C)
- Good mechanical properties
- Good surface resistivity

Typical industries

- Electronics

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm³	1,85
Flexural strength ⊥	ISO 178	MPa	400
Flexural strength ⊥ +150°C	ISO 178	MPa	300
Modulus of elasticity in flexion ⊥	ISO 178	MPa	26000
Modulus of elasticity in flexion ⊥ +150°C	ISO 178	MPa	24000
Thermal properties			
Thermal conductivity	DIN 52612	W/m K	0,3
Max. continuous operating temperature		°C	280
Physical properties			
Water absorption (method 1)	ISO 62	%	< 0,1
ESD properties			
Surface resistivity	ASTM D257	Ω/sq	10^5 - 10^8

⊥ = perpendicular to the lamination II = parallel to the lamination Availability - Standard sheet size: 2500 x 1220 mm - Thickness: 6 -0/+0,2 mm 8 -0/+0,2 mm 10 -0/+0,2 mm other thicknesses available on request - Sanded

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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