

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 / cm ³	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

