

Technical Data Sheet

Durostone[®] CAS 761

GFK-EP

Typical characteristics

- Good mechanical properties
- Good surface resistivity
- Good machining properties enabling the manufacture of complex design solder pallets.
- Fibre-reinforced composite material developed for applications in the field of wave soldering (max. continuous operating temperature 260 °C)

Typical industries

- 电子

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,85
Mechanical properties			
Flexural strength [⊥] RT	ISO 178	MPa	360
Flexural strength [⊥] +150°C	ISO 178	MPa	180
Modulus of elasticity in flexion [⊥] RT	ISO 178	MPa	18000
Modulus of elasticity in flexion [⊥] +150°C	ISO 178	MPa	9000
Thermal properties			
Thermal conductivity	DIN 52612	W/m K	0,25
Max. continuous operating temperature		°C	300
Physical properties			
Water absorption	ISO 62	%	0,20
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: 2440 x 1220 mm - Thickness: 3 -0/+0,1 mm 4 -0/+0,1 mm 5 -0/+0,1 mm 6 -0/+0,1 mm 8 -0/+0,1 mm 10 -0/+0,1 mm 12 -0/+0,1 mm - Sanded

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.

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



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