

Technical Data Sheet

Durostone[®] CAG 762

GFK-EP

Typical characteristics

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

Typical industries

• Electronics

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	1,85
Mechanical properties			
Flexural strength ¹ RT	ISO 178	MPa	360
Flexural strength ¹ +150°C	ISO 178	MPa	180
Modulus of elasticity in flexion ¹ 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

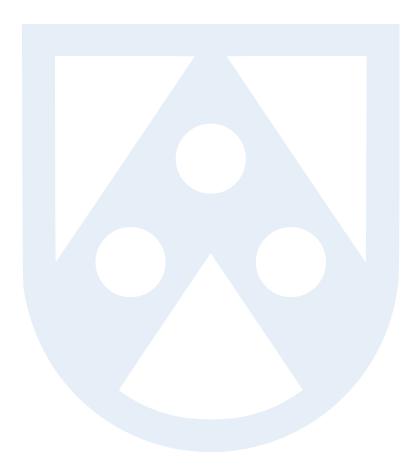
⁼ perpendicular to the lamination II = parallel to the lamination Availability - Standard sheet size: $2440 \times 1220 \text{ mm}$ - Thickness: 3 - 0/+0.1 mm 4 - 0/+0.1 mm 5 - 0/+0.1 mm 6 - 0/+0.1 mm 6 - 0/+0.1 mm 10 - 0/+0.1 mm 10 - 0/+0.1 mm 12 - 0/+0.1 mm 12 - 0/+0.1 mm 13 - 0/+0.1 mm 13

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