

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

- Electronics

	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 || = 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

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Print: 19/06/2026 • Release: 20/09/2023
 PIM-ID: 715213 • PIM-Code: 49-23-17.4.16.13-8-13
 Company-IDs: 21020

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