

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 \perp RT | ISO 178 | MPa | 360 |
| Flexural strength \perp +150°C | ISO 178 | MPa | 180 |
| Modulus of elasticity in flexion \perp RT | ISO 178 | MPa | 18000 |
| Modulus of elasticity in flexion \perp +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 |

\perp = perpendicular to the lamination \parallel = 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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