

Technical Data Sheet

Durostone® WGR 781

Typical characteristics

- Fibre-reinforced composite material developed for applications in the field of wave soldering (max. continuous operating temperature 280 °C)
- Excellent mechanical properties and surface resistivity according to ESD applications
- Please contact us for more information and possible fields of application

Typical industries

- Электронная промышленность

| | 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 | Ohm/sq | 10 ⁵ - 10 ⁸ |

[⊥] = perpendicular to the lamination II = parallel to the lamination Availability - Standard sheet size: 2500 x 1220 mm - Thickness: 6 -0/+0,2 mm 8 -0/+0,2 mm 10 -0/+0,2 mm other thicknesses available on request - 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.

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