

## Technical Data Sheet

# Durostone<sup>®</sup> CAS 761

### Typical characteristics

- Excellent mechanical properties and surface resistivity according to ESD applications
- Excellent 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

- Электронная промышленность

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,85
<b>Mechanical properties</b>			
Flexural strength <sup>⊥</sup> RT	ISO 178	MPa	360
Flexural strength <sup>⊥</sup> +150°C	ISO 178	MPa	180
Modulus of elasticity in flexion <sup>⊥</sup> RT	ISO 178	MPa	18000
Modulus of elasticity in flexion <sup>⊥</sup> +150°C	ISO 178	MPa	9000
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612	W/m K	0,25
Max. continuous operating temperature		°C	300
<b>Physical properties</b>			
Water absorption	ISO 62	%	< 0,20
<b>ESD properties</b>			
Surface resistivity	ASTM D257	Ohm/sq	10 <sup>5</sup> - 10 <sup>8</sup>

<sup>⊥</sup> = 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

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