

Durostone® CFR767

Permal Composites S.A.S., introduces a new high performance composite for use in harsh environments such as fluxes containing halides or dicarboxylic acids. Durostone®CFR767 has been specifically developed to solve the issues of surface degradation caused by aggressive fluxes.

TECHNICAL DATA	
Grade	<i>Anti-Static</i>
Colour	<i>Black / Bordeaux-red</i>
Density (g/cm ³)	<i>1.80</i>
Flexural Strength @ 23°C – 3 point support ⊥ (Mpa)	<i>380</i>
Flexural Strength @ 150°C – 3 point support ⊥ (Mpa)	<i>260</i>
Flexural Strength @ 185°C – 3 point support ⊥ (Mpa)	<i>150</i>
Modulus of Elasticity @ 23°C (Mpa)	<i>18.000</i>
Modulus of Elasticity @ 150°C (Mpa)	<i>14.000</i>
Modulus of Elasticity @ 185°C (Mpa)	<i>10.000</i>
Water Absorbtion (%)	<i><0.20</i>
Coefficient of Linear Expansion (10 ⁻⁶ /K) Between 30°C & 200°C	<i>11</i>
Thermal Conductivity (W/m°K)	<i>0.23</i>
Maximum Operating Temperature (°C), 10 – 20 seconds	<i>380</i>
Standard Operating Temperature (°C)	<i>300</i>
Surface Resistivity (ohms)	<i>10⁵ – 10⁹</i>
Chemical Resistance *	<i>Excellent</i>

• Chemical Resistance test carried out on wave solder machine using an ORH1 flux which contains the halide, hydro-bromic acid.

Sheet Size (mm)	<i>2440 x 1220</i>
Thickness' available	<i>5mm, 6mm, 8mm, 10mm</i>
Thickness Tolerance	<i>± 0.20mm</i>
Flatness Tolerance (for a panel size of 300mmx300mm)	<i>0.20mm</i>
Parallelism	<i>0.10mm</i>