



GLASTIC® CBC Grades

Following the acquisition of Glastic Corporation the Röchling Engineering Plastics Group introduces two new low cost grades of material for NPI (New Product Introduction) and low volume production applications. The CBC grades are also suitable for top plates and other jigs and fixtures used in the PCB assembly industry.

TECHNICAL DATA		
Grade		
	<i>Glastic CBC501</i>	<i>Glastic CBC503</i>
Colour	<i>Blue</i>	<i>Grey</i>
Density (g/cm ³)	<i>1.90</i>	<i>1.90</i>
Flexural Strength at 23°C(MPa) - perpendicular 3 point support	<i>300</i>	<i>300</i>
Modulus of Elasticity at 23°C (GPa)	<i>16</i>	<i>16</i>
Water Absorption (%)	<i>< 0.2</i>	<i>< 0.2</i>
Coefficient of Linear Expansion (10 ⁻⁶ /K) between 30°C & 200°C		
- Parallel	<i>- 7</i>	<i>- 7</i>
- Perpendicular	<i>- 20</i>	<i>- 20</i>
Thermal Conductivity (W/m ² K)	<i>0.3</i>	<i>0.3</i>
Maximum Operating Temperature (°C), 10 - 20 seconds	<i>300</i>	<i>300</i>
Continuous Operating Temperature (°C)	<i>260</i>	<i>260</i>
Surface Resistivity (ohms)	<i>--</i>	<i>10⁵ - 10⁸</i>

Sheet Size (mm)	<i>2000 x 1000</i>
Thickness' available (mm)	<i>3, 4, 5, 6, 8, 10, 12</i>
Thickness Tolerance	<i>± 0.10mm</i>
Flatness Tolerance *	<i>0.20 mm</i>
Parallelism	<i>0.10mm</i>

* For a typical panel size of 300mm x 300mm