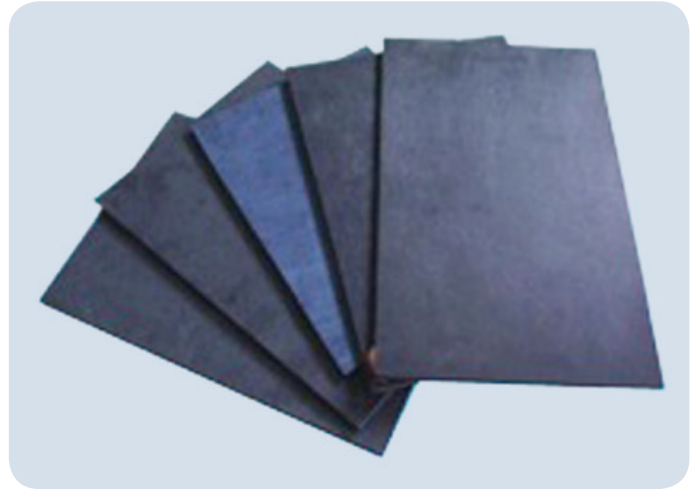


Datum Carrier Plate (DCP)

Product Datasheet

Overview

- DCP is a composite-thermoset plastic offered in Electro Static Discharge (ESD) and non-ESD versions offering high chemical-resistance and excellent machinability with a long service life.
- The product uses a high performance glass-filler for improved machinability and finishing enabling you to deliver a cost effective product to your customer with no compromise in performance at point-of-use.
- DCP-ESD also offers an average cycle-life of up to 10,000 cycles depending on actual process environment allowing minimal fixture renewal and maximizing productivity.



	DCP	DCP – ESD	DCP – ESD
Colour	Blue	Black	Grey
Anti-static		P	P
Density (g/cm ³)	1.85	1.85	1.85
Flexural Strength (Mpa) - perpendicular 3 point support	360	360	360
Water Absorption (%)	< 0.2%	< 0.2%	< 0.2%
Coefficient of Linear Expansion (10-6/K) (30°C - 200°C)	13	11	11
Thermal Conductivity (W/m ² K)	0.25	0.25	0.25
Maximum operating Temperature (°C) 10-20 seconds	350	350	350
Continuous Operating Temperature (°C)	260	280	280
Surface Resistivity (ohms)	-	10 ⁵ - 10 ⁸	10 ⁵ - 10 ⁸
Specific Heat Capacity (J.kgK)	930	930	930
Barcol Hardness	80	80	80
Thickness Available (mm)	3,4,5,6,8,10,12	3,4,5,6,8,10,12	3,4,5,6,8,10,12
Thickness Tolerance	±0.10mm	±0.10mm	±0.10mm
Flatness Tolerance - (300mm x 300mm)	±0.20mm	±0.20mm	±0.20mm
Parallelism	±0.10mm	±0.10mm	±0.10mm



Datum

The data says yes