

Product Data Sheet

Nemcon™ E PC 08CF

Nemcon™ E-series products are designed for use in ESDA electronic assembly environments where strict control of ESD and cleanliness are critical. Nemcon™ E PC 08CF is a carbon fiber-reinforced polycarbonate characterized by high stiffness, consistent moldability, low sloughing and uniform conductivity.

Applications

- Shipping/handling trays for HDD components, IC's and display assemblies
- Internal components/assemblies
- Cleanroom tools/test equipment

Properties*	Test Std	Unit	Typical Value
Specific Gravity	D 792		1.22
Mechanical			
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	93
Tensile Strain @ brk, 50 mm/min	D 638	%	3.0
Tensile Modulus, 50 mm/min	D 638	MPa.	5600
Flexural Stress @ yld, 1.3 mm/min,	D 790	MPa.	152
Flexural Modulus, 1.3 mm/min,	D 790	MPa.	6400
Izod Impact, notched @ 23°C	D 256	ft-lb/in	1.3
Thermal			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	135
Electrical Properties			
Surface Resistivity	D 257	Ohms/sq.	7.2E + 04

*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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