

## Ovation Polymers Nemcon™ E PC 08CF Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

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, ICs and display assemblies Internal components/assemblies Cleanroom tools/test equipment Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-Nemcon-E-PC-08CF-Polycarbonate.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-E-PC-08CF-Polycarbonate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.0 MPa	13500 psi	50 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	50 mm/min; ASTM D638
Tensile Modulus	5.60 GPa	812 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	152 MPa	22000 psi	1.3 mm/min; ASTM D790
Flexural Modulus	6.40 GPa	928 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.694 J/cm @Temperature 23.0 °C	1.30 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C @Thickness 3.20 mm	275 °F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	72000 ohm	72000 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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