

Ovation Polymers Nemcon™ E ABS 20CF

Category : Polymer , Thermoplastic , ABS Polymer

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 ABS 20CF is a high modulus carbon fiber-reinforced ABS with excellent conductivity. It is suitable for a wide variety of injection molding applications, including electronic components, shipping trays, storage racks, electronic housings and work surfaces.

Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-E-ABS-20CF.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.129 g/cc	1.129 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	50 mm/min; ASTM D638
Elongation at Break	1.9 %	1.9 %	50 mm/min; ASTM D638
Tensile Modulus	10.5 GPa	1520 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	128 MPa	18600 psi	1.3 mm/min; ASTM D790
Flexural Modulus	9.535 GPa	1383 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.459 J/cm @Temperature 23.0 °C	0.860 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C @Thickness 3.20 mm	208 °F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	2750 ohm	2750 ohm	ASTM D257

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