

Ovation Polymers OpteSTAT™ NC PC 1020 Polycarbonate based Carbon Nanotube Compound

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Carbon Fiber Reinforced

Material Notes:

Material resistivity can be tailored to the application, while retaining the physical and thermal properties of the base polymer. Applications include components of disk drives, business machines or other electronic assemblies where ESD control is required while retaining exceptional cleanliness, dimensional control and physical propertiesAll properties after 48hrs conditioning at 23°C/50% RH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-OpteSTAT-NC-PC-1020-Polycarbonate-based-Carbon-Nanotube-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	50 mm/min; ASTM D638
Tensile Modulus	2.14 GPa	310 ksi	50 mm/min; ASTM D638
Flexural Modulus	2.65 GPa	384 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.481 J/cm @Temperature 23.0 °C	0.900 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	126 °C @Thickness 3.20 mm	259 °F @Thickness 0.126 in	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	5000 - 1.00e+6 ohm	5000 - 1.00e+6 ohm	ASTM D257

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