

Ovation Polymers Nemcon™ H PC DP111/X1 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Polycarbonate-Thermally and electrically conducting grade with high HDT and improved processability.Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-H-PC-DP111X1-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	50 mm/min; ASTM D638
Elongation at Break	2.1 %	2.1 %	50 mm/min; ASTM D638
Tensile Modulus	3.94 GPa	571 ksi	50 mm/min; ASTM D638
Flexural Strength	67.0 MPa	9720 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.475 GPa	649.1 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.267 J/cm @Temperature 23.0 °C	0.500 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.00 W/m-K	13.9 BTU-in/hr-ft²-°F	ASTM E-1461
Deflection Temperature at 1.8 MPa (264 psi)	110 °C @Thickness 3.20 mm	230 °F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	230000 ohm	230000 ohm	ASTM D257

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