

Ovation Polymers Nima™ NH PC151 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Non-Hal FR-PC with High HDT, high impact and improved processability. *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. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nima-NH-PC151-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	50 mm/min; ASTM D638
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ASTM D638
Elongation at Break	34 %	34 %	50 mm/min; ASTM D638
Tensile Modulus	1.58 GPa	229 ksi	50 mm/min; ASTM D638
Flexural Strength	77.0 MPa	11200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.95 GPa	283 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	6.50 J/cm	12.2 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	124 °C @Thickness 3.20 mm	255 °F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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