

Ovation Polymers Nima™ NH PC143P Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Non-Hal FR-PC with High impact and improved processabilityAll properties after 48hrs conditioning at 23°C/50% RH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-Nima-NH-PC143P-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.0 MPa	8410 psi	50 mm/min; ASTM D638
Elongation at Break	40 %	40 %	50 mm/min; ASTM D638
Tensile Modulus	1.60 GPa	232 ksi	50 mm/min; ASTM D638
Flexural Strength	70.0 MPa	10200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.90 GPa	276 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.50 J/cm	2.81 ft-lb/in	ASTM D256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	7.31 J/cm	13.7 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	Unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	V-0	V-0	

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