

Ovation Polymers Nima™ NH OPP66GF25 FR 25% Glass Filled Polyamide 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Non-Hal red phosphorous based Flame Retardant Compound All 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-OPP66GF25-FR-25-Glass-Filled-Polyamide-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.013 cm/cm @Thickness 3.17 mm	0.0050 - 0.013 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.016 cm/cm @Thickness 3.17 mm	0.0050 - 0.016 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	14900 psi	50 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	50 mm/min; ASTM D638
Tensile Modulus	3.70 GPa	537 ksi	50 mm/min; ASTM D638
Flexural Strength	150 MPa	21800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	6.00 GPa	870 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.694 J/cm @Temperature 23.0 °C	1.30 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	180 °C @Thickness 3.20 mm	356 °F @Thickness 0.126 in	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

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