

## Ovation Polymers Nima™ NH PA66UT Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Polyamide 66 - Ultra Tough, Flame Retarded Non-Hal grade with excellent retention of mechanical properties. \*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-PA66UT-Nylon-66.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Nima-NH-PA66UT-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage	0.011 - 0.0125 cm/cm @Thickness 3.17 mm	0.011 - 0.0125 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0035 - 0.0060 cm/cm @Thickness 3.17 mm	0.0035 - 0.0060 in/in @Thickness 0.125 in	
Melt Index of Compound	4.0 g/10 min @Load 2.16 kg, Temperature 280 °C	4.0 g/10 min @Load 4.76 lb, Temperature 536 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ASTM D638
Elongation at Break	20 %	20 %	50 mm/min; ASTM D638
Tensile Modulus	1.40 GPa	203 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	55.0 MPa	7980 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.869 J/cm	3.501 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C @Thickness 3.20 mm	163 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C @Thickness 3.20 mm	136 °F @Thickness 0.126 in	unannealed; ASTM D648

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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