

## Diamond Polymers NYLON 66 Natural

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

Information Provided by Diamond Polymers, Inc. &amp; Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NYLON-66-Natural.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NYLON-66-Natural.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Linear Mold Shrinkage	0.013 cm/cm @Thickness 3.17 mm	0.013 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D882
Flexural Modulus	2.86 GPa	415 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.993 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	254 °C	489 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ASTM D648

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