

Diamond Polymers NYLON 6630 L Black

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-NYLON-6630-L-Black.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	35 - 50 %	35 - 50 %	ASTM D638
Flexural Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	1.897 GPa	275.1 ksi	ASTM D790
Izod Impact, Notched	1.59 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	2.98 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	ASTM D648

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