

Network Polymers Nylon 6609

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

Description: Natural Nylon Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Nylon-6609.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hours Immersion; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	1/8 in bar; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	82.7 MPa	12000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	1/8 in specimen; ASTM D256
Tensile Impact Strength	210 kJ/m ²	100 ft-lb/in ²	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	0.125 in bar; ASTM D648

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