

Network Polymers Nylon 6615 L

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Black Super Tough NylonInformation provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Nylon-6615-L.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hours Immersion; ASTM D570
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	50.3 MPa	7300 psi	ASTM D638
Elongation at Break	50 - 60 %	50 - 60 %	ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	8.01 - 9.08 J/cm	15.0 - 17.0 ft-lb/in	1/8 in specimen; ASTM D256
	NB	NB	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	1.33 - 1.60 J/cm	2.50 - 3.00 ft-lb/in	ASTM D256
	1.33 - 1.60 J/cm	2.50 - 3.00 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D648

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