

PolyOne Nymax™ NM 6600-44GF0001 White Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

The Nymax® GMF 1200 Series of compounds are based upon nylon 6/6 resins and select combinations of glass fiber and mineral reinforcements offering a unique balance of physical property and part performance. These materials have been specifically formulated to offer ease of processing in most standard thermoplastic processing equipment. Molded Test Bars: Dry as Molded. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-NM-6600-44GF0001-White-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	164 MPa	23800 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Strength, Yield	164 MPa	23800 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	2.4 %	2.4 %	Type I, 5.1 mm/min; ASTM D638
Flexural Yield Strength	286 MPa	41500 psi	13 mm/min; ASTM D790
Flexural Modulus	11.9 GPa	1730 ksi	13 mm/min; ASTM D790
Izod Impact, Notched	1.30 J/cm @Thickness 3.18 mm	2.44 ft-lb/in @Thickness 0.125 in	Injection Molded, 3.6 mm Notch Depth; ASTM D256A

Processing Properties	Metric	English	Comments
Mold Temperature	48.9 - 93.3 °C	120 - 200 °F	
Drying Temperature	82.2 °C	180 °F	
Dry Time	4.00 hour	4.00 hour	

Descriptive Properties	Value	Comments
Appearance	White	
Filler / Reinforcement	Glass Fiber Reinforcement, 44% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 66	

Descriptive Properties	Value	Comments
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	North America	
Uses	Construction Applications	
	Consumer Applications	
	Industrial Applications	

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