

PolyOne Nymax™ GMF 600 A 40 Storm Grey Polyamide 6 (Nylon 6)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

The Nymax® GMF 600 Series of compounds are based upon nylon 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-GMF-600-A-40-Storm-Grey-Polyamide-6-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792
Water Absorption	0.80 % @Thickness 3.18 mm	0.80 % @Thickness 0.125 in	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	103 MPa	14900 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Strength, Yield	110 MPa	16000 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	2.0 - 4.0 %	2.0 - 4.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	7.58 GPa	1100 ksi	ASTM D638
Flexural Strength	172 MPa	24900 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.693 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	204 °C @Thickness 3.18 mm	399 °F @Thickness 0.125 in	Unannealed; ASTM D648

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

Processing Properties	Metric	English	Comments
Dry Time	4.00 Hour	4.00 Hour	

Descriptive Properties	Value	Comments
Additive	Heat Stabilizer	
Appearance	Grey	
Features	General Purpose	
Filler / Reinforcement	GlassMineral, 40% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 6	
Generic Name	Polyamide 6 (Nylon 6)	
Processing Method	Injection Molding	
Regional Availability	North America	
	South America	
Uses	Automotive Applications	
	Construction Applications	
	Consumer Applications	
	General Purpose	
	Industrial Applications	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China