

PolyOne Nymax™ MF 1200 A 40 HS Natural Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

The Nymax® MF 1200 Series of mineral-reinforced nylon 6/6 compounds have been specifically engineered to provide an excellent balance of physical property performance, toughness, chemical resistance, and durability. These materials have been 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-MF-1200-A-40-HS-Natural-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Water Absorption	1.0 % @Thickness 3.18 mm	1.0 % @Thickness 0.125 in	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	79.5 MPa	11500 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Strength, Yield	93.1 MPa	13500 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	6.76 GPa	980 ksi	ASTM D790
Izod Impact, Notched	0.430 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.806 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	245 °C	473 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 - 107 °C	140 - 225 °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	Natural Color	
Features	General Purpose	
	Heat Stabilized	
Filler / Reinforcement	Mineral Filler, 40% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
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