

PolyOne Nymax™ GF 1800 43 Natural Nylon 612 with 43% Glass Fiber (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Glass Fiber Filler

Material Notes:

Molded Test Bars: Dry as Molded

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-GF-1800-43-Natural-Nylon-612-with-43-Glass-Fiber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Filler Content	43 %	43 %	
Water Absorption	0.20 % @Thickness 3.18 mm, Time 86400 sec	0.20 % @Thickness 0.125 in, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	171 MPa	24800 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	3.5 %	3.5 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1490 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	2.40 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	210 °C @Thickness 3.18 mm	410 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C @Thickness 3.18 mm	392 °F @Thickness 0.125 in	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Appearance	Natural Color	

Descriptive Properties	Value	Comments
Generic Name	Polyamide 612 (Nylon 6/12)	
Regional Availability	North America	
	South America	

Contact Songhan Plastic Technology Co.,Ltd.

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