

PolyOne Nymax™ GF 1800 43 Black 22 Polyamide 612 (Nylon 612)

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Property data for molded test bars: Dry as Molded Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-GF-1800-43-Black-22-Polyamide-612-Nylon-612.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Water Absorption	0.20 % @Thickness 3.18 mm	0.20 % @Thickness 0.125 in	@ 24 hrs; 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	167 MPa	24200 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	1.20 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	2.25 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

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	Black	
Filler / Reinforcement	Glass Fiber Reinforcement	
	Unspecified FillerReinfor., 43% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 612	
Generic Name	Polyamide 612 (Nylon 612)	
Regional Availability	North America	
	South America	

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