

PolyOne Nymax™ GB 1200 20 HS BLACK 18 Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Preliminary Data Sheet Molded Test Bars: Dry as Molded Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-GB-1200-20-HS-BLACK-18-Polyamide-66-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Water Absorption	0.90 % @Thickness 3.18 mm	0.90 % @Thickness 0.125 in	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	ASTM D955
Ash	20 %	20 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.1 MPa	9010 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.599 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	265 °C	509 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	220 °C @Thickness 3.18 mm	428 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C @Thickness 3.18 mm	185 °F @Thickness 0.125 in	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 ^{UR}	English ^{UR}	Comments
Descriptive Properties	Value		Comments
Additive	Heat Stabilizer		
Appearance	Black		
Features	Heat Stabilized		
Filler / Reinforcement	Glass Bead		
Forms	Pellets		
Generic Material	Nylon 66		
Generic Name	Polyamide 66 (Nylon 66)		
Regional Availability	North America		
	South America		

Contact Songhan Plastic Technology Co.,Ltd.

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