

PolyOne Nymax™ GBF 1010 35 BLACK 13 Polyamide 6 (Nylon 6)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-GBF-1010-35-BLACK-13-Polyamide-6-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Water Absorption	1.0 % @Thickness 31.8 mm	1.0 % @Thickness 1.25 in	@ 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0060 - 0.0070 cm/cm	0.0060 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.1 MPa	9010 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Strength, Yield	72.0 MPa	10400 psi	5.0 mm/min; ISO 527
Flexural Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	4.41 GPa	640 ksi	ASTM D790
Izod Impact, Notched	0.720 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.35 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180

Descriptive Properties	Value	Comments
Filler / Reinforcement	Glass Bead	
	Glass Fiber Reinforcement	
	Unspecified FillerReinfor., 35% Filler by Weight	
Forms	Pellets	
Generic Material	Nylon 6	
Generic Name	Polyamide 6 (Nylon 6)	
Regional Availability	North America	

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