

**PolyOne Nymax™ GF 1880 33 HS NATURAL Nylon 6/12, Glass Filled
(discontinued **)**

Category : Polymer , Thermoplastic , Nylon , Nylon 612

Material Notes:

Description/Features: Glass Fiber Reinforced Heat Stabilized Molded Test Bars: (Dry as molded: Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Nymax-GF-1880-33-HS-NATURAL-Nylon-612-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Filler Content	33 %	33 %	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	159 MPa	23000 psi	Type 1 - Rigids, Break, 0.2 in/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	214 MPa	31000 psi	ASTM D790
Flexural Modulus	7.24 GPa	1050 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	2.40 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	209.0 °C	408.2 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	193.0 °C	379.4 °F	Unannealed; ASTM D648

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