

Diamond Polymers NPP30-2000 GF30 30% Glass Filled Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP30-2000-GF30-30-Glass-Filled-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	49.0 MPa	7110 psi	chs 2.0 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	chs 2.0 in/min; ASTM D638
Flexural Strength	72.0 MPa	10400 psi	ASTM D790
Flexural Modulus	4.272 GPa	619.6 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256
Gardner Impact	0.500 J @Temperature 23.0 °C	0.369 ft-lb @Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	154 °C	309 °F	0.125";, ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	289 °F	0.125";, ASTM D648

Descriptive Properties	Value	Comments
Glass Content (%)	30	ASTM D2584

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