

Diamond Polymers NPP30-0500 GF20 20% Glass Filled Black Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% 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-NPP30-0500-GF20-20-Glass-Filled-Black-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ASTM D792
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	chs 0.2 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	chs 0.2 in/min; ASTM D638
Flexural Modulus	3.80 GPa	551 ksi	ASTM D790
Izod Impact, Notched	0.900 J/cm @Thickness 3.17 mm	1.69 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	0.125";, ASTM D648

Descriptive Properties	Value	Comments
Glass Content (%)	20	ASTM D2584

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