

**Diamond Polymers NPP25-0120B GF15 Glass Filled Copolymer Polypropylene**

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Glass Reinforced, Impact Modified

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NPP25-0120B-GF15-Glass-Filled-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP25-0120B-GF15-Glass-Filled-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	ASTM D955
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 230 °C	0.90 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
Ash	15 %	15 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	chs 2.0 in/min; ASTM D638
Elongation at Yield	0.60 %	0.60 %	chs 2.0 in/min; ASTM D638
Tensile Modulus	3.007 GPa	436.1 ksi	chs 2.0 in/min; ASTM D638
Flexural Strength	44.4 MPa @Thickness 3.17 mm	6440 psi @Thickness 0.125 in	chs 0.05 in/min; SL 2 inches; ASTM D790
Flexural Modulus	2.983 GPa @Thickness 3.17 mm	432.6 ksi @Thickness 0.125 in	chs 0.05 in/min; SL 2 inches; ASTM D790
Izod Impact, Notched	1.816 J/cm @Thickness 3.17 mm	3.402 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	137 °C	279 °F	0.125";; ASTM D648
Vicat Softening Point	152 °C @Load 1.00 kg	306 °F @Load 2.20 lb	120°C/hr; ASTM D1525

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