

## Diamond Polymers NPP30-3500G Homopolymer Polypropylene Granules

Category : Polymer , Thermoplastic , Polypropylene (PP)

**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-NPP30-3500G-Homopolymer-Polypropylene-Granules.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP30-3500G-Homopolymer-Polypropylene-Granules.php)

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in <sup>3</sup>	ASTM D792
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	chs 2.0 in/min; tangent; ASTM D638
Elongation at Yield	10 %	10 %	chs 2.0 in/min; tangent; ASTM D638
Flexural Modulus	1.309 GPa	189.9 ksi	chs 0.05 in/min; 1% secant; ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.17 mm	0.599 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	ASTM D648

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