

Diamond Polymers NPP30-0500 Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

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-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	chs 2.0 in/min; ASTM D638
Elongation at Yield	12 %	12 %	chs 2.0 in/min; ASTM D638
Flexural Modulus	1.171 GPa	169.8 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

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