

Diamond Polymers NPP30-3500F 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-NPP30-3500F-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	35 g/10 min	35 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	105	105	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	chs 50 mm/min; tangent; ASTM D638
Elongation at Yield	8.0 %	8.0 %	chs 50 mm/min; tangent; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	chs 0.05 in/min; tangent; ASTM D790
Izod Impact, Notched	0.214 J/cm	0.401 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

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