

Diamond Polymers NPP 60-3301 Clear Polyester Copolymer

Category : Polymer , Thermoplastic , Polyester , TP

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-NPP-60-3301-Clear-Polyester-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792
Viscosity Measurement	0.740	0.740	Intrinsic Viscosity; ASTM D4603
Melt Flow	120 g/10 min @Load 1.20 kg, Temperature 300 °C	120 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	59.2 MPa	8590 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	41 %	41 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	2.577 GPa	373.8 ksi	chs 0.05 in/min; tangent; ASTM D790
Gardner Impact	>= 36.2 J @Temperature 23.0 °C	>= 26.7 ft-lb @Temperature 73.4 °F	ASTM D5420

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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