

Diamond Polymers NPP11-0119 Linear Low Density Polyethylene with Antiblock

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

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-NPP11-0119-Linear-Low-Density-Polyethylene-with-Antiblock.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 190 °C	0.90 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.6 MPa @Thickness 0.0254 mm	4000 psi @Thickness 0.00100 in	Transverse to Flow; ASTM D882
	34.4 MPa @Thickness 0.0254 mm	4990 psi @Thickness 0.00100 in	Direction of Flow; ASTM D882
Elongation at Break	550 % @Thickness 0.0254 mm	550 % @Thickness 0.00100 in	Direction of Flow; ASTM D882
	600 % @Thickness 0.0254 mm	600 % @Thickness 0.00100 in	Transverse to Flow; ASTM D882
Dart Drop, Total Energy	140 J	103 ft-lb	F50; ASTM D1709
Tear Strength Test	400	400	g; Direction of Flow; ASTM D1922
	750	750	g; Transverse to Flow; ASTM D1922

Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003
Gloss	50 %	50 %	45°; ASTM D2457

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