

Diamond Polymers NPP11-0218 Linear Low Density Polyethylene

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-NPP11-0218-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	24.1 MPa @Thickness 0.0200 mm	3500 psi @Thickness 0.000787 in	Transverse to Flow; ASTM D882
	29.6 MPa @Thickness 0.0200 mm	4290 psi @Thickness 0.000787 in	Direction of Flow; ASTM D882
Elongation at Break	750 % @Thickness 0.0200 mm	750 % @Thickness 0.000787 in	Transverse to Flow; ASTM D882
	800 % @Thickness 0.0200 mm	800 % @Thickness 0.000787 in	Direction of Flow; ASTM D882
Dart Drop, Total Energy	130 J	95.9 ft-lb	F50; ASTM D1709
Tear Strength Test	350 @Thickness 0.0200 mm	350 @Thickness 0.000787 in	g; Direction of Flow; ASTM D1922
	350 @Thickness 0.0200 mm	350 @Thickness 0.000787 in	g; Transverse to Flow; ASTM D1922

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