

## Diamond Polymers NPP11-0635 Medium Density Polyethylene

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

**Material Notes:**

Information Provided by Diamond Polymers, Inc. &amp; Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NPP11-0635-Medium-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP11-0635-Medium-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	0.689 GPa	99.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	50.0 °C	122 °F	ASTM D648

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