

## Diamond Polymers NPP50-0355 High Density Polyethylene Blow Molding/Extrusion Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade , High Density Polyethylene (HDPE), Extruded

### 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-NPP50-0355-High-Density-Polyethylene-Blow-MoldingExtrusion-Grade.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP50-0355-High-Density-Polyethylene-Blow-MoldingExtrusion-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
ESCR Blow Molding	35 hour	35 hour	Condition B, F50; ASTM D1693
	45 hour	45 hour	Condition A, F50; ASTM D1693
Melt Flow	0.35 g/10 min	0.35 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	chs 2.0 in/min; ASTM D638
Flexural Modulus	1.378 GPa	199.9 ksi	chs 0.05 in/min; ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -118 °C	<= -180 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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