

Network Polymers NPP 50-2753

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Description: High Density Polyethylene (HDPE) Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-NPP-50-2753.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Flow	23 - 27 g/10 min @Load 2.16 kg, Temperature 230 °C	23 - 27 g/10 min @Load 4.76 lb, Temperature 446 °F	Procedure A Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.9 MPa	3750 psi	chs 2 in/min; ASTM D638
Elongation at Break	250 %	250 %	chs 2 in/min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -113 °C	<= -171 °F	ASTM D746

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