

Network Polymers NPP 50-0151

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-50-0151.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D1505
High Load Melt Index	11.5 g/10 min @Load 21.6 kg, Temperature 190 °C	11.5 g/10 min @Load 47.6 lb, Temperature 374 °F	Procedure A Condition F (HLM); ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.5 MPa	3840 psi	chs 2 in/min; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	chs 2 in/min; ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM D1525
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

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