

Network Polymers NPP 50-2053

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-50-2053.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	Procedure A Condition E; ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	Type IV bar at chs 2 in per min; ASTM D638
Elongation at Break	300 %	300 %	chs 2 in/min; ASTM D638
Flexural Modulus	0.965 - 1.24 GPa	140 - 180 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	122 °C	252 °F	ASTM D1525
Brittleness Temperature	<= -70.6 °C	<= -95.0 °F	ASTM D1525

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