

Network Polymers NPP 50-0158

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-50-0158.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D1505
ESCR 100% Igepal®	20 hour	20 hour	Condition A; ASTM D1693
High Load Melt Index	0.96 g/10 min @Load 21.6 kg, Temperature 190 °C	0.96 g/10 min @Load 47.6 lb, Temperature 374 °F	Procedure A Condition F (HLM); ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	27.6 MPa	4000 psi	2 in per min; ASTM D638
Elongation at Break	1200 %	1200 %	
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -70.6 °C	<= -95.0 °F	ASTM D746

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