

Network Polymers NPP 50-0548

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-50-0548.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D1505
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Procedure A Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	19 %	19 %	ASTM D638
Flexural Modulus	0.586 GPa	85.0 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-70.0 °C	-94.0 °F	

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