

Chevron Phillips HiD® 9402 HDPE Blow Molding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Resin Type: Linear Homopolymer; Blow Molding, Sheetting and Profile Resin
 Characteristics: High Melt Strength - Larger Parts, Wide Range of Processing Conditions, High Stiffness and Impact Resistance, Designed for Wheel Blow Molding, Low Odor and Low Taste Transfer, Lightweighting Capabilities
 Applications: Water Bottles, Milk Bottles, Sheetting, Thermoforming, Food Bottles, Tubes, Toys. Burn Rate

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9402-HDPE-Blow-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in ³	ASTM D1505
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in ³	ASTM D1895
Melt Flow	0.37 g/10 min @Load 2.16 kg, Temperature 190 °C	0.37 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.325 GPa	192.2 ksi	3 pt. secant. ASTM D790
Tensile Impact Strength	134 kJ/m ²	63.8 ft-lb/in ²	S Bar; ASTM D 1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 °C	172 °F	ASTM D648
Vicat Softening Point	128 °C	262 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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