

**Chevron Phillips HiD® 9404 HDPE Blow Molding Resin (discontinued \*\*)**

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

**Material Notes:**

Resin Type: linear copolymer  
 Characteristics: medium molecular weight distributions, wide range of processing conditions, low parison sag, good stress crack resistance. Federal specification LP390C Classification Type I, Class H, Grades (1-5), Category 5. Meets FDA Regulation 21CFR 177.1520. Some restrictions apply when containing an antistatic additive.  
 Applications: industrial blow molding, automotive parts, toys, large trash cans, ice chests and coolers  
 Information provided by Chevron Phillips Chemical Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-HiD-9404-HDPE-Blow-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9404-HDPE-Blow-Molding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in <sup>3</sup>	ASTM D1505
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in <sup>3</sup>	ASTM D1895
Melt Flow	0.19 g/10 min @Load 2.16 kg, Temperature 190 °C	0.19 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Yield	26.2 MPa	3800 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	1% Secant; ASTM D 790
Tensile Impact Strength	120 kJ/m <sup>2</sup>	57.1 ft-lb/in <sup>2</sup>	S bar; ASTM D 1822

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	ASTM D648
Vicat Softening Point	127 °C	261 °F	ASTM D1525
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D746

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