

Chevron Phillips HiD® 9062 HDPE Injection Molding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Resin Type: Linear Copolymer, ASTM D 4976 Classification: PE 231, A 52600 Characteristics: Excellent Flow, Moderate Impact Strength, Good Stiffness, Moderate ESCR, Excellent Shrinkage Resistance Applications: Thin Wall Food Containers, Stadium Cups Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9062-HDPE-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in ³	ASTM D1895
Melt Flow	62 g/10 min @Load 2.16 kg, Temperature 190 °C	62 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238
High Load Melt Index	1612 g/10 min @Load 21.6 kg, Temperature 190 °C	1612 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.8 MPa	3310 psi	ASTM D638
Elongation at Break	<= 100 %	<= 100 %	ASTM D638
Flexural Modulus	0.830 GPa	120 ksi	3 pt. secant; ASTM D790
	1.21 GPa	175 ksi	3 pt. Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	115 °C	239 °F	ASTM D1525

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