

Chevron Phillips HiD® 9075 HDPE Injection Molding Resin (discontinued **)

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

Material Notes:

Resin Type: linear copolymer; ASTM D3350 Classification 335540A; ASTM D4976 Classification: PE 235, A 54607
 Characteristics: excellent flow, moderate impact strength, good stiffness, moderate ESCR, excellent shrinkage resistance
 Applications: thin wall food containers, stadium cups
 Information provided by Chevron Phillips Chemical Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9075-HDPE-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D4883
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in ³	ASTM D1895
Melt Flow	75 g/10 min @Load 2.16 kg, Temperature 190 °C	75 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Ultimate	24.8 MPa	3600 psi	ASTM D638
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	0.931 GPa	135 ksi	2% Secant; ASTM D 790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Vicat Softening Point	115 °C	239 °F	ASTM D1525

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