

Chevron Phillips HiD® 9502/HiD® 9503 with Antistat HDPE Blow Molding Resin (discontinued **)

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

Material Notes:

Resin Type: Linear Copolymer; Blow Molding Resin
 Characteristics: Medium Molecular Weight Distribution, Wide Range of Processing Conditions, Excellent ESCR, High Melt Strength, Good Impact Resistance, Good Parison Uniformity, Good Trimability
 Applications: Hard to Hold Chemicals, Household-Industrial Chemical Containers, Detergents. Burn Rate

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9502HiD-9503-with-Antistat-HDPE-Blow-Molding-Resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D1505
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in ³	ASTM D1895
Melt Flow	0.27 g/10 min @Load 2.16 kg, Temperature 190 °C	0.27 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	0.900 GPa	131 ksi	3 pt. secant. ASTM D790
Tensile Impact Strength	159 kJ/m ²	75.7 ft-lb/in ²	S Bar; ASTM D 1822

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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