

Chevron Phillips HiD® 9642 HDPE Sheeting Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Resin Type: Sheeting Resin for the Geomembrane Market; ASTM D 4976 Classification: PE 225, A 56507 Applications: Blown Geomembrane Applications, Sanitary Landfill Liners, Waste Water Reservoir Containment Liners, Coextruded Liner Structures, Soil Stabilization Structures Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9642-HDPE-Sheeting-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 2000 hour @Temperature 50.0 °C	>= 2000 hour @Temperature 122 °F	F ₅₀ , Cond. B.; ASTM D1693
Melt Flow	0.15 g/10 min @Load 2.16 kg, Temperature 190 °C	0.15 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ASTM D638
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.660 GPa	95.7 ksi	3 pt. secant. ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °F	ASTM D1525
Brittleness Temperature	<= -59.0 °C	<= -74.2 °F	ASTM D746

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