

Chevron Phillips HiD® 9640 HDPE Blown Film Resin (discontinued **)

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

Material Notes:

Copolymerization Enhances Film Toughness, Unique Combination of Density and Melt Index, Excellent Strength Properties as well as Good Heat Seal, Lower Density Imparts a Softer Feel and Lesser Tendency to Wrinkle, Even with Lower Density - Produces a Film with Significant Stiffness Applications: Notion and Millinery Bags, Heavy Duty Shipping Sacks, Insulation Bags, Coextrusions, Can Liners, Newspaper Bags.

Recommended Die Gap: 0.89 mm. Film properties below based on film thickness of 25.4 µm. Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9640-HDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in ³	ASTM D1505
Moisture Vapor Transmission	0.220 cc-mm/m ² -24hr-atm	0.559 cc-mil/100 in ² -24hr-atm	ASTM F1249
Melt Flow	0.20 g/10 min	0.20 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	625 %	625 %	ASTM D882
Secant Modulus, MD	0.450 GPa	65.3 ksi	ASTM D882
Secant Modulus, TD	0.620 GPa	89.9 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.787 g/micron	20.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	22.8 g/micron	580 g/mil	ASTM D1922
Dart Drop	3.50 g/micron	88.9 g/mil	1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	ASTM D882
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	121 °C	250 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	221 °C	430 °F	

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