

## Chevron Phillips HiD® 9650 HDPE Blown Film Resin (discontinued \*\*)

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

### Material Notes:

Resin Type: Linear Polyethylene Copolymer  
 Characteristics: Copolymerization Enhances Film Toughness, Excellent Film Drawdown, Unique Molecular Architecture Gives Moisture Barrier Properties Typical of Much Higher Density Resins, Excellent Heat Seal Response, Excellent Embossing Properties, Density Level Gives Excellent Machinability, Blends Well with LLDPE  
 Applications: Notion and Millinery Bags, Multi-wall Liners, Coextrusions  
 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-9650-HDPE-Blown-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9650-HDPE-Blown-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D1505
Moisture Vapor Transmission	0.140 cc-mm/m <sup>2</sup> -24hr-atm	0.356 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM F1249
Melt Flow	0.34 g/10 min	0.34 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	460 %	460 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Secant Modulus, MD	0.710 GPa	103 ksi	ASTM D882
Secant Modulus, TD	0.830 GPa	120 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.630 g/micron	16.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	15.7 g/micron	400 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	51.0 MPa	7400 psi	ASTM D882
Film Tensile Strength at Break, TD	43.0 MPa	6240 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 °C	257 °F	ASTM D1525

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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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