

## Chevron Phillips HiD® 9632 HDPE Blown Film Resin (discontinued \*\*)

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

### Material Notes:

Characteristics: Copolymerization Enhances Film Toughness, Excellent Film Drawdown Ideally Suited for Thin Films Production, Lower Melt Index (Higher Molecular Weight) Results in Increased Film Strength, Unique Molecular Architecture Gives Moisture Barrier Properties Typical of Much Higher Density Resins, Excellent Embossing Properties, Excellent Processability Applications: Notion and Millinery Bags, Multi-wall Liners, Coextrusions, Can liners. 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-9632-HDPE-Blown-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-HiD-9632-HDPE-Blown-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in <sup>3</sup>	ASTM D1505
Moisture Vapor Transmission	0.160 cc-mm/m <sup>2</sup> -24hr-atm	0.406 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM F1249
Melt Flow	0.17 g/10 min	0.17 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	450 %	450 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.620 GPa	89.9 ksi	ASTM D882
Secant Modulus, TD	0.760 GPa	110 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.591 g/micron	15.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	23.2 g/micron	590 g/mil	ASTM D1922
Dart Drop	3.30 g/micron	83.8 g/mil	1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	55.0 MPa	7980 psi	ASTM D882
Film Tensile Strength at Break, TD	43.0 MPa	6240 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	122 °C	252 °F	ASTM D1525

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

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

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