

Chevron Phillips HiD® 9647T 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, 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: Draw Tapes, High Tensile Films. 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-9647T-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	0.200 cc-mm/m ² -24hr-atm	0.508 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	420 %	420 %	ASTM D882
Film Elongation at Break, TD	630 %	630 %	ASTM D882
Secant Modulus, MD	0.520 GPa	75.4 ksi	ASTM D882
Secant Modulus, TD	0.660 GPa	95.7 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.630 g/micron	16.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	26.4 g/micron	670 g/mil	ASTM D1922
Dart Drop	2.70 g/micron	68.6 g/mil	1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	48.0 MPa	6960 psi	ASTM D882
Film Tensile Strength at Break, TD	31.0 MPa	4500 psi	ASTM D882

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

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