

Chevron Phillips HiD® 9606 HDPE Blown Film and Sheet (discontinued **)

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

Material Notes:

Resin Type: ASTM D 4976 Classification: PE 235, A 54502 Applications: General Purpose Films and Sheet, Coextruded Film Structures, Deli and Tissue Films, Sheet Thermoforming Applications with Good Stress Crack Resistance 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-9606-HDPE-Blown-Film-and-Sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Flow	0.26 g/10 min	0.26 g/10 min	ASTM D 1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
High Load Melt Index	30 g/10 min	30 g/10 min	High Load Melt Index; ASTM D 1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	400 %	400 %	ASTM D882
Secant Modulus, MD	0.750 GPa	109 ksi	ASTM D882
Secant Modulus, TD	0.910 GPa	132 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.394 g/micron	10.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	4.33 g/micron	110 g/mil	ASTM D1922
Dart Drop	<= 1.20 g/micron	<= 30.5 g/mil	F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D1525

Processing Properties	Metric	English	Comments
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Melt Temperature
Processing Properties

221 °C
Metric

430 °F
English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China