

Chevron Phillips mPact™ D449 HDPE Blown Film Resin (discontinued **)

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

Material Notes:

Resin Type: High density, hexene copolymer Characteristics: excellent clarity, high gloss, good modulus, process with LLDPE setup, optimum clarity when used as an individual layer. Applications: overwraps, FFS packaging, food packaging, coextruded converter films Recommended processing conditions: 8.89 cm extruder. 30:1 L/D extruder. 20.32 die and 80 mil gap at 250 pph with a melt temperature of 400-430°F. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-mPact-D449-HDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D1505
Moisture Vapor Transmission	0.260 cc-mm/m ² -24hr-atm	0.660 cc-mil/100 in ² -24hr-atm	ASTM F1249
Oxygen Transmission	138 cc-mm/m ² -24hr-atm	351 cc-mil/100 in ² -24hr-atm	ASTM D3985
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238E

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	44.1 MPa	6400 psi	ASTM D882
Film Tensile Strength at Yield, TD	32.23 MPa	4675 psi	ASTM D882
Film Elongation at Break, MD	369 %	369 %	ASTM D882
Film Elongation at Break, TD	626 %	626 %	ASTM D882
Elmendorf Tear Strength, MD	0.472 g/micron	12.0 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	30.5 g/micron	775 g/mil	Notched; ASTM D1992
Dart Drop	<= 1.97 g/micron	<= 50.0 g/mil	ASTM D1709
1% Secant Modulus, MD	614 MPa	89000 psi	ASTM D882
1% Secant Modulus, TD	1100 MPa	159000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	75 %	75 %	45°; ASTM D2457

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Processing Properties	Metric	English	Comments
Processing Temperature	204 - 221 °C	399 - 430 °F	
Die Opening	0.200 cm	0.0787 in	

Descriptive Properties	Value	Comments
Color	Natural	

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