

Chevron Phillips MarFlex® 7120B LLDPE Blown & Cast Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Hexene, Film Grade

Material Notes:

Resin Type: linear low density polyethylene, hexene copolymer
 Characteristics: good stiffness at thin gauges, good drawdown, excellent processability, can use straight or in blends with LDPE or HDPE, high slip, no process aid.
 Applications: stretch wrap, overwrap, coextrusions
 Recommended processing conditions: 6.35 cm extruder. 24:1 screw L/D ratio. 0.064 cm die opening. Melt temperature 270°C.
 Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7120B-LLDPE-Blown-Cast-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238E

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	580 %	580 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
Coefficient of Friction	0.10	0.10	ASTM D1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	21.7 g/micron	550 g/mil	Notched; ASTM D1992
Dart Drop	4.41 g/micron	112 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	42.7 MPa	6200 psi	ASTM D882
Film Tensile Strength at Break, TD	33.1 MPa	4800 psi	ASTM D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	214 MPa	31000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003
Gloss	84 %	84 %	45°; ASTM D2457
	140 %	140 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	270 °C	518 °F	Cast Film
Die Opening	0.0640 cm	0.0252 in	
Extruder Size	6.35 cm	2.50 in	

Descriptive Properties	Value	Comments
Color	Natural	

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