Chevron Phillips MarFlex® 7109L LLDPE Blown Film Resin (discontinued **)

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

Material Notes:

Resin Type: linear low density polyethylene, hexene copolymerCharacteristics: good stiffness at thin gauges, good drawdown, excellent processability, can use straight or in blends with LDPE or HDPE, high antiblock, no process aidApplications: industrial liners, stretch wrap, garment bags, carrier bags, coextrusionsRecommended processing conditions: 6.35 cm extruder. 24:1 screw L/D ratio. 0.0762 cm die opening. Melt temperature 204°C. Blow up ratio 2:1.Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7109L-LLDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	0.90 g/10 min	0.90 g/10 min	ASTM D1238E

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	440 %	440 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Coefficient of Friction	0.60	0.60	ASTM D1894
Elmendorf Tear Strength, MD	15.7 g/micron	400 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	31.5 g/micron	800 g/mil	Notched; ASTM D1992
Dart Drop	4.41 g/micron	112 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	29.6 MPa	4300 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	241 MPa	35000 psi	ASTM D882
1% Secant Modulus, TD	310 MPa	45000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	17 %	17 %	ASTM D1003
Gloss	55 %	55 %	45°; ASTM D2457
	85 %	85 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	204 °C	399 °F	
Die Opening	0.0762 cm	0.0300 in	
Extruder Size	6.35 cm	2.50 in	

Descriptive Properties	Value	Comments
Color	Natural	

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