

Chevron Phillips MarFlex® 7235B LLDPE Cast/Blown 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, medium slip, cast/blown film resin
 Characteristics: good optics, good drawdown, can be used straight or blended with LDPE or HDPE, can be used in blown or cast applications, Low COF
 Applications: bakery films, coextrusions
 Recommended processing conditions: 6.35 cm extruder. 24:1 screw L/D ratio. 0.1016 cm die opening. Melt temperature 260°C.
 Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7235B-LLDPE-CastBlown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.9235 g/cc	0.03336 lb/in ³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	3.5 g/10 min	3.5 g/10 min	ASTM D1238E

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Coefficient of Friction	<= 0.10	<= 0.10	ASTM D1894
Elmendorf Tear Strength, MD	5.91 g/micron	150 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	17.7 g/micron	450 g/mil	Notched; ASTM D1992
Dart Drop	2.20 g/micron	56.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	34.5 MPa	5000 psi	ASTM D882
Film Tensile Strength at Break, TD	22.1 MPa	3200 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	4.0 %	4.0 %	ASTM D2457
Gloss	90 %	90 %	45°; ASTM D2457
	140 %	140 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	260 °C	500 °F	
Die Opening	0.1016 cm	0.04000 in	
Extruder Size	6.35 cm	2.50 in	

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