

Chevron Phillips MarFlex® 7120X Hexene Linear Low Density Polyethylene, Blown and Cast Film

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

Material Notes:

This LLDPE is tailored for cast film applications that require: Good stiffness at thin gauges Good drawdown Excellent processability Can be used singly or in blends with LDPE or HDPE Available with slip or high stabilization package Typical blown and cast film applications include: Stretch wrap Overwrap Coextrusions Contains no process aid, antiblock or slip. Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-7120X-Hexene-Linear-Low-Density-Polyethylene-Blown-and-Cast-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.919 g/cc	0.919 g/cc	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

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	>= 1.0	>= 1.0	ASTM D1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.7 g/micron	550 g/mil	ASTM D1922
Dart Drop	5.51 g/micron	140 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	43.0 MPa	6240 psi	ASTM D882
Film Tensile Strength at Break, TD	33.0 MPa	4790 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	140 %	140 %	at 60°; ASTM D523

Processing Properties	Metric	English	Comments
Melt Temperature	271 °C	520 °F	
Extruder Size	6.35 cm	2.50 in	

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