

Chevron Phillips MarFlex® 5563 LDPE High Clarity, Medium Impact Film Resin

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

Material Notes:

Resin Type: Homopolymer
 Characteristics: Good Optics, Good Impact Strength, Excellent Processability, Good Heat Seal Characteristics, High Slip, High Antiblock
 Applications: Bakery Film, Soft Goods, Produce and Hardware Packaging
 Processing Conditions: Extruder 6.35 cm. Screw L/D Ratio 24:1. Die Opening 0.0762 cm. Blow-Up Ratio 2:1. Film properties below based on film thickness of 31.8 µm. Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-5563-LDPE-High-Clarity-Medium-Impact-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ASTM D1505
Melt Flow	1.3 g/10 min	1.3 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.210 GPa	30.5 ksi	ASTM D882
Secant Modulus, TD	0.230 GPa	33.4 ksi	ASTM D882
Coefficient of Friction	0.10	0.10	ASTM D1894
Dart Drop	2.50 g/micron	63.5 g/mil	F _{<sub>50</sub>} ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D2457
Gloss	73 %	73 %	at 45°. ASTM D 2457
	115 %	115 %	at 60°. ASTM D 2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Melt Temperature	204 °C	399 °F	

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