

Chevron Phillips MarFlex® 5755 LDPE High Clarity, High Impact Film Resin

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

Material Notes:

Resin Type: Homopolymer
 Characteristics: High Clarity, Excellent Impact Strength, Medium Slip, High Antiblock, Moderately High Coefficient of Friction, Excellent Processability
 Applications: Case Shrink Wrap, Bundling, Laminations, Diaper Liner; Frozen Food, Heavy Produce, 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-5755-LDPE-High-Clarity-High-Impact-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in³	ASTM D1505
Melt Flow	0.80 g/10 min	0.80 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.190 GPa	27.6 ksi	ASTM D882
Secant Modulus, TD	0.220 GPa	31.9 ksi	ASTM D882
Coefficient of Friction	>= 0.50	>= 0.50	ASTM D1894
Dart Drop	3.10 g/micron	78.7 g/mil	F₅₀; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D2457
Gloss	70 %	70 %	at 45°. ASTM D 2457
	110 %	110 %	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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