

Chevron Phillips MarFlex® 5613 LDPE Shrink and Heavy Duty Packaging Film Resin

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

Material Notes:

Resin Type: Homopolymer
Characteristics: Excellent Tensile Strength and Impact Strength, Very Good Abrasion Resistance and Tear Resistance, No Slip, High Antiblock, Medium Coefficient of Friction, Easy Openability, Excellent Retention of Properties after Aging, Wide Range of Shrinkage Characteristics
Applications: Pallet Shrink, Heavy Duty Packaging
Processing Conditions: Extruder 6.35 cm. Screw L/D Ratio 24:1. Die Opening 0.0762 cm. Blow-Up Ratio 3:1.
Film properties below based on film thickness of 76 µm. Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-5613-LDPE-Shrink-and-Heavy-Duty-Packaging-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
Melt Flow	0.50 g/10 min	0.50 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.170 GPa	24.7 ksi	ASTM D882
Secant Modulus, TD	0.180 GPa	26.1 ksi	ASTM D882
Coefficient of Friction	0.50	0.50	ASTM D1894
Dart Drop	2.80 g/micron	71.1 g/mil	F _{>50} ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D2457
Gloss	57 %	57 %	at 45°. ASTM D 2457
	90 %	90 %	at 60°. ASTM D 2457

Processing Properties	Metric	English	Comments
Melt Temperature	210 °C	410 °F	

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