

Chevron Phillips 4522 LDPE Shrink and Heavy Duty Packaging Film Resin (discontinued **)

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

Material Notes:

Resin Type: Homopolymer
 Characteristics: Excellent Tensile Strength, Excellent Impact Strength, Very Good Tear Resistance, Very Good Abrasion Resistance, No Slip, No Antiblock
 Applications: Pallet Shrink Wrap, 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-4522-LDPE-Shrink-and-Heavy-Duty-Packaging-Film-Resin-nbspdiscontinued.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	>= 1.0	>= 1.0	ASTM D1894
Dart Drop	2.80 g/micron	71.1 g/mil	F ₅₀ ; 2 in. dart/60 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	9.5 %	9.5 %	ASTM D2457
Gloss	59 %	59 %	at 45°. ASTM D 2457
	95 %	95 %	at 60°. ASTM D 2457

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

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