

Chevron Phillips 5758 LDPE High Clarity, High Impact Film Resin (discontinued **)

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, Medium Antiblock, Moderately High Coefficient of Friction, Easy Openability of Bags
Applications: Case Shrink Wrap, Bundling, Laminations, Diaper Liners, 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-5758-LDPE-High-Clarity-High-Impact-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	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	>= 0.60	>= 0.60	ASTM D1894
Dart Drop	3.10 g/micron	78.7 g/mil	F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D2457
Gloss	65 %	65 %	at 45°. ASTM D 2457
	100 %	100 %	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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