Chevron Phillips 6109 LLDPE Blown Film Resin, Butene Copolymer (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

Material Notes:

Resin Type: Butene CopolymerCharacteristics: Good Stiffness at Thin Gauges, Good Drawdown, Can be used straight or blended with LDPE or HDPEApplications:Industrial Liners, Stretch Wrap, Garment Bags, Carrier Bags, CoextrusionsProcessing Conditions: Extruder 6.35 cm. Screw L/D Ratio 24:1. Die Opening 0.1905 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-6109-LLDPE-Blown-Film-Resin-Butene-Copolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	ASTM D1505
Melt Flow	0.90 g/10 min	0.90 g/10 min	Condition E; ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	525 %	525 %	ASTM D882
Film Elongation at Break, TD	675 %	675 %	ASTM D882
Secant Modulus, MD	0.220 GPa	31.9 ksi	ASTM D882
Secant Modulus, TD	0.270 GPa	39.2 ksi	ASTM D882
Coefficient of Friction	0.80	0.80	ASTM D1894
Elmendorf Tear Strength, MD	5.91 g/micron	150 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	22.6 g/micron	575 g/mil	ASTM D1922
Dart Drop	2.40 g/micron	61.0 g/mil	F₅₀; 1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ASTM D882
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D2457
Gloss	50 %	50 %	at 45°. ASTM D 2457
	90 %	90 %	at 60°. ASTM D 2457

Processing Properties	Metric	English	Comments
Melt Temperature	220 °C	428 °F	

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