

Chevron Phillips 6109FK Linear low density polyethylene blown film resin (discontinued **)

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

Material Notes:

Resin Type: linear low density polyethylene, butene copolymer, medium antiblock, medium slip, process aid version of 6109, blown film resin
 Characteristics: good stiffness at thin gauges, good drawdown, can be used straight or blended with LDPE or HDPE, neutral screw condition
 Applications: industrial liners, carrier bags, garment bags, coextrusions
 Natural Color. 1000 ppm Slip. 5000 ppm Antiblock.
 Film properties below based on thickness of 0.0318 mm. Extruder 6.35 cm. Screw L/D ratio 24:1. Die opening 0.1905 cm. Blow-Up Ratio 2:1.
 Information provided by Chevron Phillips Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-6109FK-Linear-low-density-polyethylene-blown-film-resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D4833-89
Melt Flow	0.90 g/10 min	0.90 g/10 min	ASTM D1238

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	0.224 GPa	32.5 ksi	ASTM D882
Secant Modulus, TD	0.276 GPa	40.0 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Elmendorf Tear Strength, MD	5.90 g/micron	150 g/mil	Orientation not specified; ASTM D1922
Elmendorf Tear Strength, TD	22.6 g/micron	574 g/mil	ASTM D1922
Dart Drop	2.40 g/micron	61.0 g/mil	F-50 at 26 in.; ASTM D1709
Dart Drop Test	75.0 g	0.165 lb	F-50 at 26 in.; ASTM D1709
Film Tensile Strength at Break, MD	35.7 MPa	5180 psi	ASTM D882
Film Tensile Strength at Break, TD	21.4 MPa	3100 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D2457
Gloss	60 %	60 %	45°, ASTM D 2457

Optical Properties	Metric	English	Comments
			60, ASTM D 2457

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

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