

Chevron Phillips 7109D 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, hexene copolymer, no slip, no antiblock version of 7109 with process aid, cast/blown

resinCharacteristics: good stiffness at thin gauges, good drawdown, can be used straight or blended with LDPE or HDPEApplications:

industrial liners, garment bags, carrier bags, coextrusionsNatural Color.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-7109D-Linear-low-density-polyethylene-blown-film-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in³	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	560 %	560 %	ASTM D882
Film Elongation at Break, TD	770 %	770 %	ASTM D882
Secant Modulus, MD	0.260 GPa	37.7 ksi	ASTM D882
Secant Modulus, TD	0.327 GPa	47.4 ksi	ASTM D882
Elmendorf Tear Strength, MD	16.5 g/micron	419 g/mil	Orientation not specified; ASTM D1922
Elmendorf Tear Strength, TD	33.1 g/micron	841 g/mil	ASTM D1922
Dart Drop	4.70 g/micron	119 g/mil	F-50 at 26 in.; ASTM D1709
Dart Drop Test	150 g	0.331 lb	F-50 at 26 in.; ASTM D1709
Film Tensile Strength at Break, MD	54.1 MPa	7850 psi	ASTM D882
Film Tensile Strength at Break, TD	44.9 MPa	6510 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D2457
Gloss	60 %	60 %	45°, ASTM D 2457
	100 %	100 %	60°, ASTM D 2457

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

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