

## Chevron Phillips 7109BK 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, blow film resin, medium slip, medium antiblock version of 7109  
 Characteristics: good stiffness at thin gauges, good drawdown, low COF, can be used straight or blended with LDPE or HDPE  
 Applications: industrial liners, garment bags, carrier 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-7109BK-Linear-low-density-polyethylene-blown-film-resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-7109BK-Linear-low-density-polyethylene-blown-film-resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	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	500 %	500 %	ASTM D882
Film Elongation at Break, TD	640 %	640 %	ASTM D882
Secant Modulus, MD	0.255 GPa	37.0 ksi	ASTM D882
Secant Modulus, TD	0.337 GPa	48.9 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Elmendorf Tear Strength, MD	16.5 g/micron	419 g/mil	Orientation not specified; ASTM D1922
Elmendorf Tear Strength, TD	37.8 g/micron	960 g/mil	ASTM D1922
Dart Drop	4.10 g/micron	104 g/mil	F-50 at 26 in.; ASTM D1709
Dart Drop Test	130 g	0.287 lb	F-50 at 26 in.; ASTM D1709
Film Tensile Strength at Break, MD	40.8 MPa	5920 psi	ASTM D882
Film Tensile Strength at Break, TD	26.5 MPa	3840 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D2457
Gloss	50 %	50 %	45°, ASTM D 2457

Optical Properties	Metric	English	Comments
			ISO, ASTM D 2457

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

## Contact Songhan Plastic Technology Co.,Ltd.

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