

Chevron Phillips 7109DJT LLDPE Blown Film Resin, Hexene Copolymer (discontinued **)

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

Material Notes:

Resin Type: Hexene Copolymer, Medium Antiblock, Processing Aid Version of 7109T, Cast/Blown Film Resin
 Characteristics: Good Stiffness at Thin Gauges, Good Drawdown, Can be used straight or blended with LDPE or HDPE
 Applications: Industrial Liners, Garment Bags, Carrier Bags, Coextrusions
 Processing 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. Antiblock 2500 ppm. Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-7109DJT-LLDPE-Blown-Film-Resin-Hexene-Copolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	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	440 %	440 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Secant Modulus, MD	0.240 GPa	34.8 ksi	ASTM D882
Secant Modulus, TD	0.290 GPa	42.1 ksi	ASTM D882
Coefficient of Friction	0.75	0.75	ASTM D1894
Elmendorf Tear Strength, MD	15.4 g/micron	390 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	35.4 g/micron	900 g/mil	ASTM D1922
Dart Drop	4.70 g/micron	119 g/mil	F ₅₀ ; 1.5 in. dart/26 in. drop height; ASTM D 1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D2457
Gloss	52 %	52 %	at 45°. ASTM D 2457
	94 %	94 %	at 60°. ASTM D 2457

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

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