

Chevron Phillips Vytex™ V208E9 Enhanced LLDPE Blown Film Resin (discontinued **)

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

Material Notes:

Resin Type: enhanced linear low density polyethylene, slip, antiblock and processing aid additives
 Characteristics: excellent dart drop impact, hot-tack and heat seal properties, good drawdown, can be used straight or blended with LDPE or HDPE
 Applications: thick and thin film applications where superior toughness and abuse resistance, hot-tack and heat-seal, and optical properties are required
 Natural Color
 Slip: 2000 ppm
 Antiblock: 9000 ppm.
 Recommended processing conditions: 6.35 cm extruder. 24:1 screw L/D ratio. 0.203 cm die opening. Melt temperature 232°C. Blow up ratio 2.5:1. Output rate 8.0 lb/hr/in die cir.
 Hot-Tack Initiation Temperature: 91°C
 Ultimate Hot-Tack Strength: 3.5 N
 Heat Seal Initiation Temperature at 0.5 lb.: 101°C
 Ultimate Heat Seal Strength: 11.5 N.
 Film properties based on thickness of 0.0318 mm.
 Information provided by Chevron Phillips Chemical Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Vytex-V208E9-Enhanced-LLDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D4883
Melt Flow	0.85 g/10 min	0.85 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Secant Modulus, MD	0.230 GPa	33.4 ksi	ASTM D882
Secant Modulus, TD	0.240 GPa	34.8 ksi	ASTM D882
Coefficient of Friction	0.10	0.10	ASTM D1894
Elmendorf Tear Strength, MD	20.5 g/micron	520 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	15.0 g/micron	380 g/mil	ASTM D1922
Dart Drop	16.4 g/micron	417 g/mil	F-50 at 26 in.; ASTM D1709
Dart Drop Test	520 g	1.15 lb	F-50 at 26 in.; ASTM D1709
Film Tensile Strength at Break, MD	51.0 MPa	7400 psi	ASTM D882
Film Tensile Strength at Break, TD	37.3 MPa	5410 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	28 %	28 %	ASTM D2457

Optical Properties	Metric	English	Comments
	52 %	52 %	at 60°. ASTM D 2457

Processing Properties	Metric	English	Comments
Melt Temperature	227 - 232 °C	441 - 450 °F	

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