

Chevron Phillips Dynex™ D605A6 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, high antiblock, and processing aid additive
 Characteristics: superior dart impact, optical, hot-tack and heat seal properties, good drawdown, can be used straight or blended with LDPE or HDPE, high antiblock
 Applications: thick or thin film Applications where superior toughness and abuse resistance, hot-tack and heat-seal, and optical properties are critical
 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.
 Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Dynex-D605A6-Enhanced-LLDPE-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	Base Resin; ASTM D4833-89
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238E
Slip Level	0.000 ppm	0.000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Coefficient of Friction	1.0	1.0	ASTM D1894
Elmendorf Tear Strength, MD	20.9 g/micron	530 g/mil	Notched; ASTM D1922
Elmendorf Tear Strength, TD	31.1 g/micron	790 g/mil	ASTM D1992
Film Tensile Strength at Break, MD	51.5 MPa	7470 psi	ASTM D882
Film Tensile Strength at Break, TD	40.7 MPa	5900 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	25900 psi	ASTM D882
1% Secant Modulus, TD	190 MPa	27600 psi	ASTM D882
Hot Tack Strength, Ultimate	3.80 N	0.854 lb (f)	
Hot Tack Initiation Temperature	86.1 °C	187 °F	at 0.5N; ASTM D3706
Heat Seal Strength, Ultimate	13.6 N	3.06 lb (f)	
Heat Seal Strength Initiation			

Temperature Mechanical Properties	96.1 °C Metric	205 °F English	at 0.5 lb Comments
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Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D2457
Gloss	54 %	54 %	45°; ASTM D2457
	87 %	87 %	60°; ASTM D2457

Processing Properties	Metric	English	Comments
Processing Temperature	232 °C	450 °F	
Die Opening	0.203 cm	0.0799 in	
Extruder Size	6.35 cm	2.50 in	

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