Chevron Phillips MarFlex® D163 Metallocene Linear Low Density Polyethylene, Blown Film

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

Material Notes:

This mLLDPE is tailored for applications that require:Excellent clarityExcellent glossExcellent toughnessExcellent heat sealTypical blown film applications include:Seal layer in coextrusionsHeavy duty packagingClarity packagingThis grade contains a process aid and does not contain antiblock or slip agent.Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-D163-Metallocene-Linear-Low-Density-Polyethylene-Blown-Film.php

Physical Properties	Metric	English	Comments
Density	0.914 g/cc	0.0330 lb/in³	ASTM D1505
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 190 °C	0.90 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.00 MPa	1310 psi	ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Puncture Energy	10.5 J	7.74 ft-lb	ASTM D3763
Coefficient of Friction	>= 1.0	>= 1.0	ASTM D1894
Elmendorf Tear Strength, MD	10.6 g/micron	270 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	14.2 g/micron	360 g/mil	ASTM D1922
Dart Drop	59.1 g/micron	1500 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	61.0 MPa	8850 psi	ASTM D882
Film Tensile Strength at Break, TD	50.0 MPa	7250 psi	ASTM D882
1% Secant Modulus, MD	146 MPa	21200 psi	ASTM D882
1% Secant Modulus, TD	165 MPa	23900 psi	ASTM D882
Heat Seal Strength Initiation Temperature	95.0 °C	203 °F	ASTM F882

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	135 %	135 %	at 60°; ASTM D2457

Descriptive Properties	Value	Comments
Film Puncture Force	129 N	ASTM D3763
Process	Film	
Region	Mexico	Bamberger Polymers Distribution

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