Chevron Phillips MarFlex® D143FK 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 does contain a process aid.Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-D143FK-Metallocene-Linear-Low-Density-Polyethylene-Blown-Film.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in³	ASTM D1505
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Melt Flow	1.4 g/10 min @Load 2.16 kg, Temperature 190 °C	1.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	1000 ppm	1000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.0 MPa	2030 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Puncture Energy	3.00 J	2.21 ft-lb	ASTM D3763
Coefficient of Friction	0.15	0.15	ASTM D1894
Elmendorf Tear Strength, MD	10.6 g/micron	270 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.7 g/micron	450 g/mil	ASTM D1922
Dart Drop	23.6 g/micron	600 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	52.0 MPa	7540 psi	ASTM D882
Film Tensile Strength at Break, TD	51.0 MPa	7400 psi	ASTM D882
1% Secant Modulus, MD	174 MPa	25200 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	101 °C	214 °F	ASTM F882

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	95 %	95 %	at 60°; ASTM D2457

Descriptive Properties	Value	Comments
Film Puncture Force	46 N	ASTM D3763
Process	Film	
Region	Mexico	Bamberger Polymers Distribution

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China