

Chevron Phillips MarFlex® D139 m-LLDPE Linear Low Density Polyethylene

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

Material Notes:

Low Density Polyethylene Customer Benefits: Possesses the typical physical properties of metallocene polyethylenes with the added potential benefit of improved processability (bubble stability, down-gauging, and melt fracture resistance). Has a puncture value of 18 kg as per ASTM D3763. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-D139-m-LLDPE-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	0.90 g/10 min	0.90 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	2 in per min; ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	2 in per min; ASTM D882
Film Elongation at Break, MD	500 %	500 %	2 in per min; ASTM D882
Film Elongation at Break, TD	600 %	600 %	2 in per min; ASTM D882
Coefficient of Friction, Dynamic	0.70	0.70	ASTM D1894
Coefficient of Friction, Static	1.0	1.0	ASTM D1894
Elmendorf Tear Strength MD	210 g	210 g	ASTM D1922
Elmendorf Tear Strength TD	420 g	420 g	ASTM D1922
Dart Drop Test	800 g	1.76 lb	ASTM D1709
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	2 in per min; ASTM D882
Film Tensile Strength at Break, TD	28.0 MPa	4060 psi	2 in per min; ASTM D882

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003

Descriptive Properties	Value	Comments
Process	Film	
Region	Mexico	Bamberger Polymers Distribution

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