

Chevron Phillips mPact™ D353 m-MDPE Linear Low Density Polyethylene (discontinued **)

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

Material Notes:

Low Density Polyethylene Customer Benefits: This metallocene medium density PE for cast film applications offers greater tensile modulus than LLDPE while retaining excellent optical properties. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-mPact-D353-m-MDPE-Linear-Low-Density-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	ASTM D1505
Melt Flow	2.5 g/10 min	2.5 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	2 in per min; ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 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	500 %	500 %	2 in per min; ASTM D882
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	300 g	300 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	2 in per min; ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	2 in per min; ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Gloss	91 %	91 %	45°; ASTM D2457

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