

ExxonMobil Escorene® LD-129 MDPE Cast Overwrap Film Resin (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Film Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A homopolymer film resin with good clarity and excellent stiffness. Film made from LD-129 can be used in overwrap applications and in push-through type packaging equipment. LD-129 is suitable for processing in chill roll casting equipment. Applications: Bakery product overwrap; Soft goods (paper products) overwrap; Film is particularly suitable for applications requiring stiffness, crispness, machinability and abrasion resistance. Data for film properties below based on 1.25 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-129-MDPE-Cast-Overwrap-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.2 g/10 min	2.2 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.0 MPa	2030 psi	ASTM D882
Film Tensile Strength at Yield, TD	16.0 MPa	2320 psi	ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.280 GPa	40.6 ksi	ASTM D882
Secant Modulus, TD	0.330 GPa	47.9 ksi	ASTM D882
Elmendorf Tear Strength MD	125 g	125 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength, MD	3.94 g/micron	100 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	1.89 g/micron	48.0 g/mil	F50; ASTM D1709
Dart Drop Test	60.0 g	0.132 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Break, TD	17.0 MPa	2470 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	116 °C	241 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	65 %	65 %	45°, ASTM D-2457

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