

ExxonMobil Escorene® LD-117 MDPE Blown Overwrap Film Resin, Tough (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-117 can be used in overwrap applications and in push-through type packaging equipment. Film produced from LD-117 can be drawn down to 1.0 mil gauge. 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 1.5 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-117-MDPE-Blown-Overwrap-Film-Resin-Tough-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	Exxon Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	1.6 g/10 min	1.6 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.0 MPa	1890 psi	ASTM D882
Film Tensile Strength at Yield, TD	15.0 MPa	2180 psi	ASTM D882
Film Elongation at Break, MD	150 %	150 %	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	0.320 GPa	46.4 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	3.27 g/micron	83.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.94 g/micron	100 g/mil	ASTM D1922
Dart Drop	1.57 g/micron	40.0 g/mil	F50; ASTM D1709
Dart Drop Test	60.0 g	0.132 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	27.0 MPa	3920 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	7.0 %	7.0 %	ASTM D1003
Gloss	65 %	65 %	45°, ASTM D-2457

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