

ExxonMobil Escorene® LL-1117 LLDPE Film/Sandwich Bag Resin (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Exxon Chemical. An LLDPE blown film resin. Films made from LL-1117 have very good tensile properties and toughness. This resin's good strength and drawability allow downgauging in many film applications. This resin is formulated with several stabilization packages. Applications: Soft goods overwrap; Liners; Bakery products overwrap; Laminating film; Packaging film; Sandwich bags. Data for film properties below based on 1.2 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-1117-LLDPE-FilmSandwich-Bag-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	30.5 microns	1.20 mil	
Melt Flow	1.5 g/10 min	1.5 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.0 MPa	1890 psi	ASTM D882
Film Elongation at Break, MD	670 %	670 %	ASTM D882
Film Elongation at Break, TD	790 %	790 %	ASTM D882
Secant Modulus, MD	0.296 GPa	42.9 ksi	ASTM D882
Secant Modulus, TD	0.324 GPa	47.0 ksi	ASTM D882
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength, MD	2.64 g/micron	67.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	9.84 g/micron	250 g/mil	ASTM D1922
Dart Drop	2.28 g/micron	58.0 g/mil	F50; ASTM D1709
Dart Drop Test	70.0 g	0.154 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	46.0 MPa	6670 psi	ASTM D882
Film Tensile Strength at Break, TD	37.0 MPa	5370 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM D1003
Gloss	46 %	46 %	45°, ASTM D-2457

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