

ExxonMobil Escorene® LL-3113 LLDPE/Hexene Premium High Strength 1.2 mil Film (discontinued **)

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

Material Notes:

Data provided by the manufacturer, Exxon Chemical. An LLDPE hexene copolymer film resin. Films made from this resin have outstanding tensile, stiffness and toughness properties. These superior properties along with the resin's good drawdown capability permit usage in many demanding packaging applications. Applications: Merchandise bags; Frozen food packaging; Heavy duty bags; Sandwich bags; Liners. 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-3113-LLDPEHexene-Premium-High-Strength-12-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	30.5 microns	1.20 mil	
Melt Flow	1.3 g/10 min	1.3 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.6 MPa	1540 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.9 MPa	1730 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Secant Modulus, MD	0.254 GPa	36.8 ksi	ASTM D882
Secant Modulus, TD	0.261 GPa	37.9 ksi	ASTM D882
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	650 g	650 g	ASTM D1922
Elmendorf Tear Strength, MD	9.53 g/micron	242 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.3 g/micron	542 g/mil	ASTM D1922
Dart Drop	5.24 g/micron	133 g/mil	F50; ASTM D1709
Dart Drop Test	160 g	0.353 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	51.6 MPa	7480 psi	ASTM D882
Film Tensile Strength at Break, TD	42.2 MPa	6120 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	25 %	25 %	ASTM D1003
Gloss	27 %	27 %	45°, ASTM D-2457

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