

ExxonMobil Escorene® LL-3201 LLDPE/Hexene Premium High Strength 0.6 mil Film, Stiff (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: Grocery sacks; Merchandise bags; Frozen food packaging; Heavy duty bags; Stretch film. Data for film properties below based on 0.6 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-3201-LLDPEHexene-Premium-High-Strength-06-mil-Film-Stiff-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	15.2 microns	0.600 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.4 MPa	1800 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.7 MPa	1990 psi	ASTM D882
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Secant Modulus, MD	0.262 GPa	38.0 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	640 g	640 g	ASTM D1922
Elmendorf Tear Strength, MD	5.24 g/micron	133 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	42.01 g/micron	1067 g/mil	ASTM D1922
Dart Drop	5.24 g/micron	133 g/mil	F50; ASTM D1709
Dart Drop Test	80.0 g	0.176 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	66.2 MPa	9600 psi	ASTM D882
Film Tensile Strength at Break, TD	46.9 MPa	6800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	50 %	50 %	45°, ASTM D-2457

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