

## ExxonMobil Escorene® LL-3001 LLDPE/Hexene Premium Film Resin, Tough, 0.6 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. A hexene copolymer LLDPE film resin. Films made from LL-3001 have outstanding tensile and toughness properties. The superior strength properties along with excellent drawability make this a very versatile packaging film resin. It is available with blown film additive formulations with or without slip and antiblock. A heavily stabilized formulation for cast film processing is also available. Applications: Stretch wrap; Stretch film; Frozen food packaging; Ice bags; Shipping sacks; Premium trash bags. 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-3001-LLDPEHexene-Premium-Film-Resin-Tough-06-mil-Film-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-3001-LLDPEHexene-Premium-Film-Resin-Tough-06-mil-Film-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	Exxon Method
Thickness	15.2 microns	0.600 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.1 MPa	1460 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.50 MPa	1230 psi	ASTM D882
Film Elongation at Break, MD	530 %	530 %	ASTM D882
Film Elongation at Break, TD	710 %	710 %	ASTM D882
Secant Modulus, MD	0.193 GPa	28.0 ksi	ASTM D882
Secant Modulus, TD	0.221 GPa	32.1 ksi	ASTM D882
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922
Elmendorf Tear Strength, MD	11.1 g/micron	283 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	32.8 g/micron	833 g/mil	ASTM D1922
Dart Drop	7.20 g/micron	183 g/mil	F50; ASTM D1709
Dart Drop Test	110 g	0.243 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	57.8 MPa	8380 psi	ASTM D882

<b>Film Tensile Strength at Break, TD Mechanical Properties</b>	<b>41.9 MPa Metric</b>	<b>6080 psi English</b>	<b>ASTM D882 Comments</b>
<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melting Point	125 °C	257 °F	Exxon Method
<b>Optical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Haze	15 %	15 %	ASTM D1003
Gloss	51 %	51 %	45°, ASTM D-2457

## Contact Songhan Plastic Technology Co.,Ltd.

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