

## ExxonMobil Escorene® LL-3023 LLDPE/Hexene Premium Cast Stretch Film Resin (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 cast film resin. Films made from LL-3023 have outstanding tensile properties as well as stiffness and toughness. Applications: Stretch wrap film; Premium packing film. Data for film properties below based on 0.8 mil film.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Escorene-LL-3023-LLDPEHexene-Premium-Cast-Stretch-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-3023-LLDPEHexene-Premium-Cast-Stretch-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	Exxon Method
Thickness	20.3 microns	0.800 mil	
Melt Flow	2.35 g/10 min	2.35 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.40 MPa	1070 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.60 MPa	1100 psi	ASTM D882
Film Elongation at Break, MD	380 %	380 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Secant Modulus, MD	0.126 GPa	18.3 ksi	ASTM D882
Secant Modulus, TD	0.159 GPa	23.1 ksi	ASTM D882
Elmendorf Tear Strength MD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength TD	840 g	840 g	ASTM D1922
Elmendorf Tear Strength, MD	9.84 g/micron	250 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	41.3 g/micron	1050 g/mil	ASTM D1922
Dart Drop	4.17 g/micron	106 g/mil	F50; ASTM D1709
Dart Drop Test	85.0 g	0.187 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	66.7 MPa	9670 psi	ASTM D882
Film Tensile Strength at Break, TD	34.0 MPa	4930 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Gloss	92 %	92 %	45°, ASTM D-2457

## Contact Songhan Plastic Technology Co.,Ltd.

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