

ExxonMobil Escorene® LL-3105 LLDPE/Hexene Premium Film Resin, Tough, 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. A hexene copolymer LLDPE cast film resin. Films made from LL-3105 have outstanding tensile and toughness properties. The superior strength properties along with excellent drawability make this a very versatile packaging film resin. Applications: Stretch film; Frozen food packaging; Ice bags; Shipping sacks; Premium trash 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-3105-LLDPEHexene-Premium-Film-Resin-Tough-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	0.50 g/10 min	0.50 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.9 MPa	1730 psi	ASTM D882
Film Elongation at Break, MD	590 %	590 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Secant Modulus, MD	0.272 GPa	39.5 ksi	ASTM D882
Secant Modulus, TD	0.317 GPa	46.0 ksi	ASTM D882
Elmendorf Tear Strength MD	340 g	340 g	ASTM D1922
Elmendorf Tear Strength TD	760 g	760 g	ASTM D1922
Elmendorf Tear Strength, MD	11.1 g/micron	283 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.9 g/micron	633 g/mil	ASTM D1922
Dart Drop	8.54 g/micron	217 g/mil	F50; ASTM D1709
Dart Drop Test	260 g	0.573 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	63.9 MPa	9270 psi	ASTM D882
Film Tensile Strength at Break, TD	55.4 MPa	8040 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	125 °C	257 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	54 %	54 %	45°, ASTM D-2457

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