

ExxonMobil Escorene® LL-3105 LLDPE/Hexene Premium Film Resin, Tough (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 0.6 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-3105-LLDPEHexene-Premium-Film-Resin-Tough-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	15.2 microns	0.600 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	11.9 MPa	1730 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	420 %	420 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Secant Modulus, MD	0.241 GPa	35.0 ksi	ASTM D882
Secant Modulus, TD	0.269 GPa	39.0 ksi	ASTM D882
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	520 g	520 g	ASTM D1922
Elmendorf Tear Strength, MD	6.57 g/micron	167 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	34.1 g/micron	867 g/mil	ASTM D1922
Dart Drop	8.54 g/micron	217 g/mil	F50; ASTM D1709
Dart Drop Test	130 g	0.287 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	74.5 MPa	10800 psi	ASTM D882
Film Tensile Strength at Break, TD	52.0 MPa	7540 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	8.5 %	8.5 %	ASTM D1003
Gloss	58 %	58 %	45°, ASTM D-2457

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