

ExxonMobil Escorene® LL-3002 LLDPE/Hexene Premium Cast Stretch Film Resin, 0.8 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-3002 have outstanding tensile properties as well as stiffness and toughness. These superior properties combined with the resin's good drawdown make LL-3002 a very versatile packaging film resin. Applications: Stretch wrap film; Premium packaging 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-3002-LLDPEHexene-Premium-Cast-Stretch-Film-Resin-08-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	Exxon Method
Thickness	20.3 microns	0.800 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.30 MPa	1200 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.60 MPa	1100 psi	ASTM D882
Film Elongation at Break, MD	410 %	410 %	ASTM D882
Film Elongation at Break, TD	820 %	820 %	ASTM D882
Secant Modulus, MD	0.117 GPa	17.0 ksi	ASTM D882
Secant Modulus, TD	0.131 GPa	19.0 ksi	ASTM D882
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	920 g	920 g	ASTM D1922
Elmendorf Tear Strength, MD	7.87 g/micron	200 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	45.3 g/micron	1150 g/mil	ASTM D1922
Dart Drop	4.45 g/micron	113 g/mil	F50; ASTM D1709
Dart Drop Test	90.0 g	0.198 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	69.0 MPa	10000 psi	ASTM D882
Film Tensile Strength at Break, TD	36.5 MPa	5290 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Gloss	95 %	95 %	45°, ASTM D-2457

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