

ExxonMobil Escorene® LL-3002 LLDPE/Hexene Premium Cast Stretch Film Resin, 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-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 1.2 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-3002-LLDPEHexene-Premium-Cast-Stretch-Film-Resin-12-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	Exxon Method
Thickness	30.5 microns	1.20 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	9.70 MPa	1410 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1490 psi	ASTM D882
Film Elongation at Break, MD	650 %	650 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Secant Modulus, MD	0.207 GPa	30.0 ksi	ASTM D882
Secant Modulus, TD	0.262 GPa	38.0 ksi	ASTM D882
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	680 g	680 g	ASTM D1922
Elmendorf Tear Strength, MD	8.19 g/micron	208 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.3 g/micron	567 g/mil	ASTM D1922
Dart Drop	3.94 g/micron	100 g/mil	F50; ASTM D1709
Dart Drop Test	120 g	0.265 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	52.1 MPa	7560 psi	ASTM D882
Film Tensile Strength at Break, TD	37.9 MPa	5500 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	53 %	53 %	45°, ASTM D-2457

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