

ExxonMobil Escorene® LL-3218 LLDPE/Hexene Premium Cast Stretch Film Resin, 1.2 mil (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-3218 have outstanding tensile properties as well as stiffness and toughness. These superior properties combined with the resin's good drawdown make it 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-3218-LLDPEHexene-Premium-Cast-Stretch-Film-Resin-12-mil-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	Exxon Method
Thickness	30.5 microns	1.20 mil	
Melt Flow	1.8 g/10 min	1.8 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.6 MPa	1830 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.6 MPa	1970 psi	ASTM D882
Film Elongation at Break, MD	630 %	630 %	ASTM D882
Film Elongation at Break, TD	790 %	790 %	ASTM D882
Secant Modulus, MD	0.303 GPa	43.9 ksi	ASTM D882
Secant Modulus, TD	0.338 GPa	49.0 ksi	ASTM D882
Elmendorf Tear Strength MD	130 g	130 g	ASTM D1922
Elmendorf Tear Strength TD	520 g	520 g	ASTM D1922
Elmendorf Tear Strength, MD	4.25 g/micron	108 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.0 g/micron	433 g/mil	ASTM D1922
Dart Drop	3.46 g/micron	88.0 g/mil	F50; ASTM D1709
Dart Drop Test	105 g	0.232 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	55.2 MPa	8010 psi	ASTM D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003
Gloss	47 %	47 %	45°, ASTM D-2457

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