

ExxonMobil Exceed™ 399L60 LDPE/Hexene Premium Blown Film Resin, 3 mil Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A hexene copolymer produced using Exxon Chemical's EXXPOL® technology. Films made from EXCEED 399L60 resin have balanced tensile, impact strength, tear and puncture. Applications: Trash bags; Liners; Heavy duty bags. Data for film properties below based on 3 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-399L60-LDPEHexene-Premium-Blown-Film-Resin-3-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	76.2 microns	3.00 mil	
Melt Flow	0.75 g/10 min	0.75 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.3 MPa	1780 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.7 MPa	1840 psi	ASTM D882
Film Elongation at Break, MD	640 %	640 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Secant Modulus, MD	0.326 GPa	47.3 ksi	ASTM D882
Secant Modulus, TD	0.356 GPa	51.6 ksi	ASTM D882
Coefficient of Friction	0.60	0.60	ASTM D1894
Elmendorf Tear Strength MD	820 g	820 g	ASTM D1922
Elmendorf Tear Strength TD	1370 g	1370 g	ASTM D1922
Elmendorf Tear Strength, MD	10.7 g/micron	273 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.0 g/micron	457 g/mil	ASTM D1922
Dart Drop	10.6 g/micron	270 g/mil	F50; ASTM D1709
Dart Drop Test	810 g	1.79 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	54.0 MPa	7830 psi	ASTM D882
Film Tensile Strength at Break, TD	53.0 MPa	7690 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	27.5 %	27.5 %	ASTM D1003
Gloss	35 %	35 %	45°, ASTM D-2457

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