

ExxonMobil Exceed™ 399L60 LDPE/Hexene Premium Blown Film Resin, 0.8 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 0.8 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-399L60-LDPEHexene-Premium-Blown-Film-Resin-08-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	20.3 microns	0.800 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	12.4 MPa	1800 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.8 MPa	1860 psi	ASTM D882
Film Elongation at Break, MD	460 %	460 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Secant Modulus, MD	0.273 GPa	39.6 ksi	ASTM D882
Secant Modulus, TD	0.295 GPa	42.8 ksi	ASTM D882
Coefficient of Friction	0.65	0.65	ASTM D1894
Elmendorf Tear Strength MD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength TD	380 g	380 g	ASTM D1922
Elmendorf Tear Strength, MD	8.86 g/micron	225 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.7 g/micron	475 g/mil	ASTM D1922
Dart Drop	12.3 g/micron	313 g/mil	F50; ASTM D1709
Dart Drop Test	250 g	0.551 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	69.0 MPa	10000 psi	ASTM D882
Film Tensile Strength at Break, TD	56.0 MPa	8120 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	13.8 %	13.8 %	ASTM D1003
Gloss	44 %	44 %	45°, ASTM D-2457

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