

ExxonMobil Exceed™ 377D60 LDPE/Hexene Tough Premium 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 377D60 resin exhibit excellent impact strength and balanced tensile and tear. Applications: Shipping sacks; Heavy duty bags; Trash bag; Liners; General packaging. Data for film properties below based on 3 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-377D60-LDPEHexene-Tough-Premium-Film-Resin-3-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	76.2 microns	3.00 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.3 MPa	1640 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.9 MPa	1730 psi	ASTM D882
Film Elongation at Break, MD	630 %	630 %	ASTM D882
Film Elongation at Break, TD	640 %	640 %	ASTM D882
Secant Modulus, MD	0.293 GPa	42.5 ksi	ASTM D882
Secant Modulus, TD	0.317 GPa	46.0 ksi	ASTM D882
Coefficient of Friction	0.62	0.62	ASTM D1894
Elmendorf Tear Strength MD	970 g	970 g	ASTM D1922
Elmendorf Tear Strength TD	1240 g	1240 g	ASTM D1922
Elmendorf Tear Strength, MD	12.7 g/micron	323 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	16.3 g/micron	413 g/mil	ASTM D1922
Dart Drop	9.96 g/micron	253 g/mil	F50; ASTM D1709
Dart Drop Test	760 g	1.68 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM D882
Film Tensile Strength at Break, TD	49.0 MPa	7110 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	120 °C	248 °F	Exxon Method

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