

ExxonMobil Exceed™ 377D60 LDPE/Hexene Tough Premium 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 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 0.8 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-377D60-LDPEHexene-Tough-Premium-Film-Resin-08-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	20.3 microns	0.800 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	10.8 MPa	1570 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.5 MPa	1670 psi	ASTM D882
Film Elongation at Break, MD	480 %	480 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.237 GPa	34.4 ksi	ASTM D882
Secant Modulus, TD	0.246 GPa	35.7 ksi	ASTM D882
Coefficient of Friction	0.69	0.69	ASTM D1894
Elmendorf Tear Strength MD	190 g	190 g	ASTM D1922
Elmendorf Tear Strength TD	390 g	390 g	ASTM D1922
Elmendorf Tear Strength, MD	9.37 g/micron	238 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	19.2 g/micron	488 g/mil	ASTM D1922
Dart Drop	22.2 g/micron	563 g/mil	F50; ASTM D1709
Dart Drop Test	450 g	0.992 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	60.0 MPa	8700 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	120 °C	248 °F	Exxon Method

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