

ExxonMobil Exceed™ 357C32 LDPE/Hexene Premium Cast Stretch Film Resin (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 357C32 resin have outstanding tensile properties and impact and puncture toughness. Applications: Cast stretch film. 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-357C32-LDPEHexene-Premium-Cast-Stretch-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	Exxon Method
Thickness	20.3 microns	0.800 mil	
Melt Flow	3.4 g/10 min	3.4 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.10 MPa	1030 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.10 MPa	1030 psi	ASTM D882
Film Elongation at Break, MD	420 %	420 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Secant Modulus, MD	0.113 GPa	16.4 ksi	ASTM D882
Secant Modulus, TD	0.137 GPa	19.9 ksi	ASTM D882
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922
Elmendorf Tear Strength, MD	7.87 g/micron	200 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.2 g/micron	563 g/mil	ASTM D1922
Dart Drop	11.3 g/micron	288 g/mil	F50; ASTM D1709
Dart Drop Test	230 g	0.507 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	68.0 MPa	9860 psi	ASTM D882
Film Tensile Strength at Break, TD	48.0 MPa	6960 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	115 °C	239 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	1.5 %	1.5 %	ASTM D1003
Gloss	97 %	97 %	45°, ASTM D-2457

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