

ExxonMobil Escorene® LD-140 LDPE Industrial 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 fractional melt index homopolymer resin for production of film with very good toughness. Applications: Heavy duty bags. Data for film properties below based on 1.25 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-140-LDPE-Industrial-Film-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 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	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	120 %	120 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.230 GPa	33.4 ksi	ASTM D882
Secant Modulus, TD	0.320 GPa	46.4 ksi	ASTM D882
Elmendorf Tear Strength MD	450 g	450 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength, MD	14.2 g/micron	360 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.52 g/micron	64.0 g/mil	ASTM D1922
Dart Drop	2.52 g/micron	64.0 g/mil	F50; ASTM D1709
Dart Drop Test	80.0 g	0.176 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ASTM D882
Film Tensile Strength at Break, TD	21.0 MPa	3050 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	108 °C	226 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003
Gloss	45 %	45 %	45°, ASTM D-2457

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