

ExxonMobil Escorene® LD-102 LDPE Drawdown Resin, 0.5 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 homopolymer, good clarity, laundry and dry cleaning film resin capable of providing a tough film in very thin gauges. Applications: Dry cleaning establishment bags; Protective garment bags; Other film applications requiring drawdown to 0.5 mil or below. Data for film properties below based on 0.5 mil film.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-102-LDPE-Drawdown-Resin-05-mil-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	Exxon Method
Thickness	12.7 microns	0.500 mil	
Melt Flow	6.5 g/10 min	6.5 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	450 %	450 %	ASTM D882
Secant Modulus, MD	0.207 GPa	30.0 ksi	ASTM D882
Secant Modulus, TD	0.225 GPa	32.6 ksi	ASTM D882
Elmendorf Tear Strength MD	190 g	190 g	ASTM D1922
Elmendorf Tear Strength TD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength, MD	15.0 g/micron	380 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	7.09 g/micron	180 g/mil	ASTM D1922
Dart Drop	<= 3.15 g/micron	<= 80.0 g/mil	F50; ASTM D1709
Dart Drop Test	<= 40.0 g	<= 0.0882 lb	F50; ASTM D1709
Film Tensile Strength at Break, MD	23.0 MPa	3340 psi	ASTM D882
Film Tensile Strength at Break, TD	15.0 MPa	2180 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	5.4 %	5.4 %	ASTM D1003
Gloss	74 %	74 %	45°, ASTM D-2457

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