

ExxonMobil Escorene® LD-113 LDPE General Purpose Packaging 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 homopolymer film resin that offers a good balance of toughness, drawdown capability, stiffness and clarity. LD-113 exhibits good machinability in bag making equipment. Film made from LD-113 generally can be drawn down to 0.75 mils. Applications: Refuse and trash bags; Drum and box liners; Rack and counter bags; Light duty produce bags; Other general purpose packaging and non-packaging applications. 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-113-LDPE-General-Purpose-Packaging-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	2.3 g/10 min	2.3 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.70 MPa	1410 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Secant Modulus, MD	0.190 GPa	27.6 ksi	ASTM D882
Secant Modulus, TD	0.210 GPa	30.5 ksi	ASTM D882
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength, MD	9.45 g/micron	240 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.30 g/micron	160 g/mil	ASTM D1922
Dart Drop	2.05 g/micron	52.0 g/mil	F50; ASTM D1709
Dart Drop Test	65.0 g	0.143 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	28.0 MPa	4060 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003
Gloss	55 %	55 %	45°, ASTM D-2457

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