

ExxonMobil Escorene® LD-104 LDPE Packaging Film Resin, High Clarity (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 packaging film resin with excellent clarity and good stiffness. It is excellent either blown film or chill roll casting equipment. In blown film equipment LD-104 can be drawn down to 1.0 mil gauge. Applications: Food packaging (sandwich bags, baked goods bags, light duty produce bags, etc.); Textile goods packaging (shirts, sweaters, etc.); Other packaging applications requiring excellent clarity film. 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-104-LDPE-Packaging-Film-Resin-High-Clarity-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	Exxon Method
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.0 g/10 min	2.0 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	200 %	200 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.210 GPa	30.5 ksi	ASTM D882
Secant Modulus, TD	0.250 GPa	36.3 ksi	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	350 g	350 g	ASTM D1922
Elmendorf Tear Strength, MD	4.72 g/micron	120 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	11.0 g/micron	280 g/mil	ASTM D1922
Dart Drop	2.20 g/micron	56.0 g/mil	F50; ASTM D1709
Dart Drop Test	70.0 g	0.154 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Break, TD	18.0 MPa	2610 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	113 °C	235 °F	Exxon Method

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	70 %	70 %	45°, ASTM D-2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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