

ExxonMobil Escorene® LD-133 LDPE Packaging 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 homopolymer film resin with good clarity. It is suitable for processing in blown film equipment and can be drawn down to 1.0 mil. Applications: Food packaging (bread bags, baked goods, light duty produce bags, etc.); Other light to medium duty bags; Textile packaging (shirts, etc.); Other packaging applications requiring good clarity. 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-133-LDPE-Packaging-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 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	9.00 MPa	1310 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	140 %	140 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Secant Modulus, MD	0.200 GPa	29.0 ksi	ASTM D882
Secant Modulus, TD	0.260 GPa	37.7 ksi	ASTM D882
Elmendorf Tear Strength MD	280 g	280 g	ASTM D1922
Elmendorf Tear Strength TD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength, MD	8.82 g/micron	224 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.83 g/micron	72.0 g/mil	ASTM D1922
Dart Drop	3.15 g/micron	80.0 g/mil	F50; ASTM D1709
Dart Drop Test	100 g	0.221 lb	F50; ASTM D-1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	18.0 MPa	2610 psi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	65 %	65 %	45°, ASTM D-2457

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