

ExxonMobil™ LDPE LD 319.92

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 319.92 is an 8.7 wt% vinyl acetate copolymer film resin. Film made from LD 319.92 exhibits superior impact strength and heat sealability.

General

Availability ¹	▪ Latin America	▪ North America	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Meat Packaging	▪ Primal Meat Bags	
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.930 g/cm ³	0.930 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Vinyl Acetate Content	8.7 wt%	8.7 wt%	ExxonMobil Method
Peak Melting Temperature	210 °F	99 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	178 °F	81 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	4400 psi	31 MPa	ASTM D882
Tensile Strength at Break TD	4000 psi	27 MPa	ASTM D882
Elongation at Break MD	330 %	330 %	ASTM D882
Elongation at Break TD	660 %	660 %	ASTM D882
Secant Modulus MD - 1% Secant	16000 psi	110 MPa	ASTM D882
Secant Modulus TD - 1% Secant	17000 psi	120 MPa	ASTM D882
Dart Drop Impact	250 g	250 g	ASTM D1709A
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Puncture Force	16 lbf	71 N	ExxonMobil Method
Puncture Energy	32 in-lb	3.6 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	88	88	ASTM D2457
Haze	1.5 %	1.5 %	ASTM D1003

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Film (1.5 mil / 38 micron) made from LD 319.92 on a 2.5 inch blown film line with a 6 inch die and a 30 mil die gap at a 2.5:1 blow-up ratio and melt temperature of 365°F (185°C).

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Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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