

## ExxonMobil LDPE LD 319.92 Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

### Material Notes:

**Product Description:** LD 319.92 resin is an 8.7% vinyl acetate copolymer film resin. Film made from LD 319.92 exhibits superior impact strength and heat sealability. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Meat Packaging Primal Meat Bags **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-31992-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-31992-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ExxonMobil method
Vinyl Acetate Content	8.7 %	8.7 %	ExxonMobil Method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	330 %	330 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Puncture Energy	3.62 J	2.67 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Dart Drop Test	250 g	0.551 lb	ASTM D1709A
Film Tensile Strength at Break, MD	30.3 MPa	4400 psi	ASTM D882
Film Tensile Strength at Break, TD	27.6 MPa	4000 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	117 MPa	17000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 210 °C	<= 410 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	1.5 %	1.5 %	ASTM D1003

Optical Properties	Metric	English	Comments
			45°, ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	16 lbf	ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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