

ExxonMobil™ LDPE LD 617.LN

Low Density Polyethylene Resin

Product Description

ExxonMobil™ LD 617.LN is a high flow, low density polyethylene homopolymer resin designed to provide excellent processability, flexibility and surface appearance. This multipurpose resin is performance engineered for applications such as housewares, overcaps and closures, and concentrates.

General

Availability ¹	- Latin America - North America
Additive	- Antiblock: No - Slip: No - Thermal Stabilizer: No
Applications	- Caps - Closures - Compounding - Food Packaging Containers - Houseware Articles - Injection Molding - Labware - Masterbatch Base Resin
Form(s)	Pellets
Revision Date	06/17/2020

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	26 g/10 min	26 g/10 min	ASTM D1238
Peak Melting Temperature	230 °F	110 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	178 °F	81.0 °C	ExxonMobil Method

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	1700 psi	12 MPa	ExxonMobil Method
Tensile Strength at Break	1200 psi	8.0 MPa	ExxonMobil Method
Elongation at Yield	50 %	50 %	ExxonMobil Method
Elongation at Break	96 %	96 %	ExxonMobil Method
Flexural Modulus - 1% Secant	34000 psi	230 MPa	ExxonMobil Method
Durometer Hardness			ExxonMobil Method
Shore A, 15 sec	96	96	
Shore D, 15 sec	45	45	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ExxonMobil Method
-40°F (-40°C)	4.6 ft·lb	6.2 J	
73°F (23°C)	11 ft·lb	16 J	

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

All physical properties were measured on compression molded specimens.

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.

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

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