

ExxonMobil™ LLDPE LL 6100.17

Linear Low Density Polyethylene Resin

Product Description

LL 6100 is a narrow molecular weight butene copolymer designed for applications that require easy processability. This resin offers outstanding toughness and tear resistance in freezer applications for food packaging.

General

Availability ¹	• Latin America	• North America	• South America
Applications	• Closures and Dispensers	• Housewares	• Protective Caps
Revision Date	• March 2012		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.925 g/cm ³	0.925 g/cm ³	ASTM D4883
Melt Index (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	201 °F	94 °C	ASTM D1525
Peak Melting Temperature	255 °F	124 °C	ASTM D3418

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	1700 psi	12 MPa	ASTM D638
Elongation at Break	220 %	220 %	ASTM D638
Flexural Modulus - 1% Secant	52000 psi	360 MPa	ASTM D790B
Environmental Stress-Crack Resistance 10% Igepal, F50	2 hr	2 hr	ASTM D1693B

Additional Information

- Properties are based on injection molded samples.
- Test procedures may be modified to accommodate operating conditions or facility limitations.
- Tensile Strength at Yield and Elongation at Break tested using ASTM D638 Type 1, 500 mm/min.

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.

Notes

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:

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

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