

Product Datasheet



ExxonMobil™ LLDPE LL 6407.67

Linear Low Density Polyethylene Resin

Product Description

ExxonMobil™ LL 6407.67 resin is a narrow molecular weight hexene copolymer designed for applications that require outstanding environmental stress crack resistance. This resin offers good processability with minimal warpage and outstanding toughness for cold temperature durability.

General

Availability ¹	- Latin America - North America
Additive	Thermal Stabilizer: Yes
Applications	- Caps and Closures - Cargo handling boxes - Large Lids - Large Part Housewares
Form(s)	Pellets
Revision Date	06/11/2020

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.936 g/cm ³	0.936 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	6.8 g/10 min	6.8 g/10 min	ASTM D1238
Peak Melting Temperature	259 °F	126 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	228 °F	109 °C	ExxonMobil Method

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	2600 psi	18 MPa	ExxonMobil Method
Elongation at Break	760 %	760 %	ExxonMobil Method
Flexural Modulus			ExxonMobil Method
1% Secant : Procedure B	96000 psi	660 MPa	
2% Secant : Procedure B	82000 psi	570 MPa	
Environmental Stress-Crack Resistance			ExxonMobil Method
Condition B, 10% Igepal, F50	> 1000 hr	> 1000 hr	

Legal Statement

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

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

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.

Product Datasheet

ExxonMobil

ExxonMobil™ LLDPE LL 6407.67
Linear Low Density Polyethylene Resin

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

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com