

# ExxonMobil™ LDPE LD 654

## Low Density Polyethylene Resin

### Product Description

ExxonMobil™ LD 654 resin is a very high flow LDPE grade with very good flexibility. It can be added to low-flowing LDPE grades to improve their processability.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Artificial Flowers ▪ Carpet Backing	▪ Compounding ▪ Injection Molding	▪ Masterbatch Base Resin
Form(s)	▪ Pellets		
Revision Date	▪ 10/01/2018		

### Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.913 g/cm <sup>3</sup>	0.913 g/cm <sup>3</sup>	ASTM D1505
Melt Index <sup>2</sup> (190°C/2.16 kg)	70 g/10 min	70 g/10 min	ASTM D1238
Peak Melting Temperature	212 °F	100 °C	ExxonMobil Method

### Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	167 °F	75 °C	ISO 306

### Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	16000 psi	110 MPa	ISO 527-1/1A/1
Tensile Stress (100% Strain)	1030 psi	7.1 MPa	ISO 527-2/1A/50
Tensile Strain at Break	380 %	380 %	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	40	40	ISO 868

### 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

The molded properties have been measured on 4 mm (157.5 mil) thick injection molded specimen, based on ISO 1872-2

### Notes

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

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

<sup>2</sup> Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

ExxonMobil™ LDPE LD 654  
Low Density Polyethylene Resin

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

©2022 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](http://exxonmobilchemical.com)