

Product Datasheet



ExxonMobil™ LDPE LD 258

Low Density Polyethylene Resin

Product Description

LD 258 is an LDPE extrusion coating grade that has superior organoleptic properties compared to existing standard low odor/off-taste LDPE extrusion coating polymers. The development of LD 258 reflects our in depth knowledge of the influence of extrusion coating process parameters as well as resin characteristics on the final odor and off-taste properties of coated materials.

General

Availability ¹	- Africa & Middle East - Europe
Additive	- Antiblock: No - Slip: No - Thermal Stabilizer: No
Applications	- Coextrusion Coating - Extrusion Coating - Extrusion Lamination - Food Packaging - High Speed, Thin Weight Coatings - Industrial Packaging - Liquid Packaging
Revision Date	04/01/2018

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)	8.2 g/10 min	8.2 g/10 min	ASTM D1238
Peak Melting Temperature	221 °F	105 °C	ExxonMobil Method

Coating Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Draw Down			ExxonMobil Method
Constant output at 35 rpm, 599°F (315°C)	390 m/min	390 m/min	
Neck-in			ExxonMobil Method
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.9 in	4.8 cm	
656 ft/min (200 m/min), Constant output at 35 rpm, 599°F (315°C)	1.7 in	4.4 cm	

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

Typical values obtained on a pilot co-extrusion line at ExxonMobil Chemical Europe Technical Center at an air gap of 170 mm (6.7 in).

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™ LDPE LD 258
Low Density Polyethylene Resin

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

©2025 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

