ExxonMobil™ LDPE EVA Copolymers LD 358BW

Low Density Polyethylene Resin

Product Description

LD 358BW is an EVA LDPE which offers a combination of excellent sealability and toughness even at low temperatures.

General

Availability [1]	▪ Europe
Additive	▪ LDPE LD 358BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes
Applications	▪ Agricultural Film ▪ Co-Extrusion Films ▪ Construction Film ▪ Foams ▪ Form Fill And Seal Packaging ▪ Freezer Film ▪ Heavy Duty Bags ▪ Ice Bags ▪ Profile Extrusion
Revision Date	▪ 07/01/2013

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.926	g/cm³	0.926	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	0.28	g/10 min	0.28	g/10 min	ASTM D1238
Vinyl Acetate Content	4.0	wt%	4.0	wt%	ExxonMobil Method
Peak Melting Temperature	220	°F	104	°C	ExxonMobil Method

Film Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield MD	1700	psi	12	MPa	ASTM D882
Tensile Strength at Yield TD	1400	psi	9.7	MPa	ASTM D882
Tensile Strength at Break MD	3800	psi	26	MPa	ASTM D882
Tensile Strength at Break TD	3400	psi	24	MPa	ASTM D882
Elongation at Break MD	390	%	390	%	ASTM D882
Elongation at Break TD	550	%	550	%	ASTM D882
Secant Modulus MD - 1% Secant	25000	psi	170	MPa	ASTM D882
Secant Modulus TD - 1% Secant	30000	psi	200	MPa	ASTM D882
Dart Drop Impact	560	g	560	g	ASTM D1709A
Elmendorf Tear Strength MD	200	g	200	g	ASTM D1922
Elmendorf Tear Strength TD	280	g	280	g	ASTM D1922

Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	47		47		ASTM D2457
Haze	12	%	12	%	ASTM D1003

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

The test specimens were prepared on LD 358BW, 100 µm (3.94 mil) thick film, using a 200 mm (7.87 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio of 2.0 and temperature profile of 145 - 190°C (293 - 374 °F).

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.

[2] 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 EVA Copolymers LD 358BW
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