

ExxonMobil™ LDPE EVA Copolymers LD 361 Series

Low Density Polyethylene Resin

Product Description

LD 361 series are LEVA LDPE grades, offering good mechanical and sealing properties. Several additive combinations are available according to the required surface properties.

General

Availability ¹	<ul style="list-style-type: none"> ▪ Africa & Middle East ▪ Europe
Additive	<ul style="list-style-type: none"> ▪ LD 361HF: Antiblock: 1500 ppm; Slip: 833 ppm; Thermal Stabilizer: Yes ▪ LD 361JD: Antiblock: 1800 ppm; Slip: 330 ppm; Thermal Stabilizer: Yes ▪ LD 361BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> ▪ Agricultural Film ▪ Co-Extrusion Films ▪ Foams ▪ Form Fill And Seal Packaging ▪ Freezer Film ▪ Lamination Film ▪ Poultry Bag ▪ Rice Bags
Revision Date	<ul style="list-style-type: none"> ▪ 01/01/2017

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.926 g/cm ³	0.926 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Vinyl Acetate Content	4.2 wt%	4.2 wt%	ExxonMobil Method
Peak Melting Temperature	218 °F	103 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	3800 psi	27 MPa	ASTM D882
Tensile Strength at Break TD	2900 psi	20 MPa	ASTM D882
Elongation at Break MD	250 %	250 %	ASTM D882
Elongation at Break TD	460 %	460 %	ASTM D882
Secant Modulus MD - 1% Secant	23000 psi	160 MPa	ASTM D882
Secant Modulus TD - 1% Secant	27000 psi	190 MPa	ASTM D882
Dart Drop Impact	360 g	360 g	ASTM D1709A
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	110 g	110 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	41	41	ASTM D2457
Haze	14 %	14 %	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 specimen were prepared on LD 361BW, 50µm (1.97mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio 2.5 and temperature profile of 180 - 190°C (356 - 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.

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