ExxonMobil™ LDPE EVA Copolymers LD 368ON

Low Density Polyethylene Resin

Product Description

ExxonMobil™ LDPE EVA Copolymers LD 368ON is a high clarity EVA LDPE grade, offering good optical properties combined with toughness and impact resistance. Two additive combinations are available according to the required surface properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe
Additive	▪ LD 368ON: Antiblock: 1750 ppm; Slip: No; Thermal Stabilizer: Yes	
Applications	▪ Display Packaging Film ▪ Extrusion Film	▪ Freezer Film ▪ Lamination Film
Revision Date	▪ 08/18/2022	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	1.5	g/10 min	1.5	g/10 min	ASTM D1238
Vinyl Acetate Content	2.5	wt%	2.5	wt%	ExxonMobil Method
Peak Melting Temperature	223	°F	106	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	3100	psi	21	MPa	ASTM D882
Tensile Strength at Break TD	2700	psi	18	MPa	ASTM D882
Elongation at Break MD	230	%	230	%	ASTM D882
Elongation at Break TD	530	%	530	%	ASTM D882
Secant Modulus MD - 1% Secant	23000	psi	160	MPa	ASTM D882
Secant Modulus TD - 1% Secant	26000	psi	180	MPa	ASTM D882
Dart Drop Impact	220	g	220	g	ASTM D1709A
Elmendorf Tear Strength MD	160	g	160	g	ASTM D1922
Elmendorf Tear Strength TD	160	g	160	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	63		63		ASTM D2457
Haze	6.8	%	6.8	%	ASTM D1003

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 test specimen were prepared on LD 368ON, 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 of 2.5 and temperature profile of 170 - 180°C (238 - 356°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.

ExxonMobil™ LDPE EVA Copolymers LD 368ON
Low Density Polyethylene Resin

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

exxonmobilchemical.com