ExxonMobil Signature Polymers

ExxonMobil™ EVA 3005 Series

(Legacy name: ExxonMobil™ LDPE EVA Copolymers LD 363 Series)

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3005 series are LEVA LDPE grades, offering good optical and mechanical properties. Two additive combinations are available according to the required surface properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ ExxonMobil™ EVA 3005.BR: Antiblock: 1000 ppm; Slip: 750 ppm; Thermal Stabilizer: Yes ▪ ExxonMobil™ EVA 3005.BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes		
Applications	▪ Cast Film ▪ Co-Extrusion Films	▪ Foams ▪ High Clarity Film	▪ Lamination Film
Revision Date	▪ 07/26/2022		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.928	g/cm³	0.928	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	4.5	wt%	4.5	wt%	ExxonMobil Method
Peak Melting Temperature	217	°F	103	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	4200	psi	29	MPa	ExxonMobil Method
Tensile Strength at Break TD	2800	psi	19	MPa	ExxonMobil Method
Elongation at Break MD	220	%	220	%	ExxonMobil Method
Elongation at Break TD	540	%	540	%	ExxonMobil Method
Secant Modulus MD - 1% Secant	22400	psi	155	MPa	ExxonMobil Method
Secant Modulus TD - 1% Secant	24400	psi	168	MPa	ExxonMobil Method
Dart Drop Impact (Method A)	110	g	110	g	ExxonMobil Method
Elmendorf Tear Strength MD	210	g	210	g	ASTM D1922
Elmendorf Tear Strength TD	60	g	60	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	73		73		ExxonMobil Method
Haze	5.1	%	5.1	%	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 ExxonMobil™ EVA 3005.BW, 30µm (1.18mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratioof 2.5 and temperature profile of 170 - 180°C (338 - 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.

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

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