Product Datasheet

ExxonMobil™ EVA 2005 Series

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 2005 series are EVA LDPE grades, offering good mechanical and sealing properties. Several additive combinations are available according to therequired surface properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ ExxonMobil™ EVA 2005.BR: Antiblock: 1000 ppm; Slip: 750 ppm; Thermal Stabilizer: Yes ▪ ExxonMobil™ EVA 2005.BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes ▪ ExxonMobil™ EVA 2005.HE: Antiblock: 1500 ppm; Slip: 550 ppm; Thermal Stabilizer: Yes ▪ ExxonMobil™ EVA 2005.ON: Antiblock: 1750 ppm; Slip: No; Thermal Stabilizer: Yes		
Applications	▪ Agricultural Film ▪ Co-Extrusion Films ▪ Foams ▪ Form Fill And Seal Packaging	▪ Freezer Film ▪ High Clarity Film ▪ Lamination Film ▪ Poultry Bag	▪ Rice Bags ▪ Rubber Bale Wrap
Revision Date	▪ 01/01/2017		

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)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	4.5	wt%	4.5	wt%	ExxonMobil Method
Peak Melting Temperature	219	°F	104	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	4700	psi	33	MPa	ASTM D882
Tensile Strength at Break TD	2700	psi	19	MPa	ASTM D882
Elongation at Break MD	220	%	220	%	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	29000	psi	200	MPa	ASTM D882
Dart Drop Impact	150	g	150	g	ASTM D1709A
Elmendorf Tear Strength MD	170	g	170	g	ASTM D1922
Elmendorf Tear Strength TD	60	g	60	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Haze	6.9	%	6.9	%	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 2005.BW, 30µm (1.97mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio2.5 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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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