

# ExxonMobil™ EVA 05004 Series

## Ethylene Vinyl Acetate Copolymer

### Product Description

ExxonMobil™ EVA 05004 series are LEVA LDPE grades, offering good mechanical and sealing properties. Several additive combinations are available according to the required surface properties.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Europe
Additive	▪ ExxonMobil™ EVA 05004.BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes	
Applications	▪ Agricultural Film ▪ Co-Extrusion Films ▪ Foams	▪ Form Fill And Seal Packaging ▪ Freezer Film ▪ Lamination Film
Revision Date	▪ 07/26/2022	
	▪ Poultry Bag	▪ Rice Bags

### Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.926 g/cm <sup>3</sup>	0.926 g/cm <sup>3</sup>	ASTM D1505
Melt Index <sup>2</sup> (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

### Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Peak Melting Temperature	217 °F	103 °C	ASTM D3418

### Film Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	4000 psi	28 MPa	ExxonMobil Method
Tensile Strength at Break TD	3200 psi	22 MPa	ExxonMobil Method
Elongation at Break MD	210 %	210 %	ExxonMobil Method
Elongation at Break TD	520 %	520 %	ExxonMobil Method
Secant Modulus MD - 1% Secant	24200 psi	167 MPa	ExxonMobil Method
Secant Modulus TD - 1% Secant	28500 psi	197 MPa	ExxonMobil Method
Dart Drop Impact (Method A)	230 g	230 g	ExxonMobil Method
Elmendorf Tear Strength MD	130 g	130 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922

### Optical Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	43	43	ExxonMobil Method
Haze	15 %	15 %	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 05004.BW, 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).

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#### Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

<sup>2</sup> 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.

For additional technical, sales and order assistance: [Contact Us](#)

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