

# ExxonMobil™ EVA 05012FL

## Ethylene Vinyl Acetate Copolymer

### Product Description

ExxonMobil™ EVA 05012FL is a fractional MI copolymer of ethylene and vinyl acetate offering low gel.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Co-Extrusion Films	▪ Freezer Film	
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.934 g/cm <sup>3</sup>	0.934 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Vinyl Acetate Content	12.0 wt%	12.0 wt%	ExxonMobil Method
Peak Melting Temperature	205 °F	96 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	167 °F	75 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	4400 psi	30 MPa	ASTM D882
Tensile Strength at Break TD	4200 psi	29 MPa	ASTM D882
Elongation at Break MD	590 %	590 %	ASTM D882
Elongation at Break TD	620 %	620 %	ASTM D882
Secant Modulus MD - 1% Secant	15000 psi	100 MPa	ASTM D882
Secant Modulus TD - 1% Secant	15000 psi	110 MPa	ASTM D882

### 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

Film properties were measured on a 100µm (3.94 mil) thick film extruded on a conventional LDPE extruder (screw diameter 60mm (2.36 in), rotating die diameter : 200mm (7.87 in), die gap : 1 mm (39.4mil), BUR 2.2:1, die temperature 190°C (374F))

### 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.

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

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