

# ExxonMobil™ EVA 5523FL

## Ethylene Vinyl Acetate Copolymer

### Product Description

ExxonMobil™ EVA 5523FL is a good coextrusion partner in extrusion coating, blown and cast film. Excellent sealing material with a very low seal initiation temperature. Maximum processing temperature is 230°C (428°F).

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Adhesive Layer onto OPP ▪ Barrier Food Packaging ▪ Cling Layer ▪ Coextrusion Coating ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Flexible Packaging ▪ High Frequency Sealing ▪ Industrial Packaging ▪ Injection Molding	▪ PVC Replacement ▪ Surface Protection Film ▪ Wire and Cable Compounds
Revision Date	▪ 10/01/2017		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.947 g/cm <sup>3</sup>	0.947 g/cm <sup>3</sup>	ASTM D1505
Melt Index <sup>2</sup> (190°C/2.16 kg)	5.5 g/10 min	5.5 g/10 min	ASTM D1238
Vinyl Acetate Content	23.0 wt%	23.0 wt%	ExxonMobil Method
Peak Melting Temperature	175 °F	80 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	124 °F	51 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	4200 psi	29 MPa	ASTM D638
Tensile Strength at Break 20 in/min (500 mm/min)	2800 psi	19 MPa	ASTM D638
Elongation at Break (20 in/min (500 mm/min))	860 %	860 %	ASTM D638
Durometer Hardness			ASTM D2240
Shore A, 15 sec	87	87	
Shore D, 15 sec	30	30	

### 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

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638 : Type IV dumbbell, Hardness ASTM D2240 : 3 plied up disks) and 4 mm (157 mil) for VICAT.

### 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.

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