ExxonMobil Signature Polymers

ExxonMobil™ EVA 3027FL

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3027FL is a copolymer of ethylene and vinyl acetate offering low gel. Processing Conditions Processing temperatures above 220 °C (428 °F) may cause resin degradation. Machines should always be completely purged with LDPE or a suitable cleaning compound before shutdown.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Co-Extrusion Films ▪ Compounding	▪ Fabric Coating ▪ Sheet Extrusion	
Revision Date	▪ 10/01/2017		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.951	g/cm³	0.951	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	27.0	wt%	27.0	wt%	ExxonMobil Method
Peak Melting Temperature	162	°F	72	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	112	°F	45	°C	ASTM D1525

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	2500	psi	18	MPa	ASTM D638
Tensile Strength at Break					ASTM D638
20 in/min (500 mm/min)	2500	psi	18	MPa	
Elongation at Break (20 in/min (500 mm/min))	850	%	850	%	ASTM D638
Durometer Hardness					ASTM D2240
Shore A, 15 sec	81		81		
Shore D, 15 sec	27		27		

Electrical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Volume Resistivity (500 V)	3.9E+13	ohms·m	3.9E+13	ohms·m	IEC 62631-3-1
Relative Permittivity (50 Hz)	3.25		3.25		IEC 62631-2-1
Dissipation Factor (50 Hz)	1.9E-3		1.9E-3		IEC 62631-2-1

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

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.

[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.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow data measured at other standard conditions, based on ASTM D1238.

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For additional technical, sales and order assistance: Contact Us

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