ExxonMobil Signature Polymers

ExxonMobil™ EVA 420027 Series

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 420027 is a very high flow, 26.7% VA copolymer that has very good compatibility with hydrocarbon and natural tackifiers and most waxes. It is suitable for making hot melt adhesives, sealants and wax blends. EVA 420027.E contains an additive package to improve pellet flowability and handling.

General

Availability [1]	▪ Latin America	▪ North America
Additive	▪ EVA 420027: Antiblock: No; Slip: No; Thermal Stabilizer: Yes ▪ EVA 420027.E: Antiblock: No; Slip: No; Thermal Stabilizer: Yes	
Applications	▪ Adhesives and Sealants ▪ Hot Melt Adhesives	▪ Industrial Sealants ▪ Wax Blends
Form(s)	▪ Pellets	
Revision Date	▪ 06/11/2020	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.942	g/cm³	0.942	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	420	g/10 min	420	g/10 min	ASTM D1238
Vinyl Acetate Content	26.7	wt%	26.7	wt%	ExxonMobil Method
Peak Melting Temperature	149	°F	65	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	117	°F	47.0	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break	260	psi	1.8	MPa	ExxonMobil Method
Elongation at Break	326	%	326	%	ExxonMobil Method
Flexural Modulus - 1% Secant	2200	psi	15	MPa	ExxonMobil Method
Durometer Hardness					ExxonMobil Method
Shore A, 15 sec	71		71		
Shore D, 15 sec	17		17		

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

All physical properties were measured on compression molded specimens.

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.

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For additional technical, sales and order assistance: Contact Us

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