

ExxonMobil™ EVA 5727.12

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 5727.12 is a high viscosity, 26.7% VA copolymer that has very good flexibility and low temperature toughness. It has good compatibility with both hydrocarbon and natural tackifiers and most waxes, and is suitable for making hot melt adhesives, sealants and wax blends.

General

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Adhesives and Sealants ▪ Bonding Adhesives	▪ 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	0.951 g/cm ³	0.951 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	5.7 g/10 min	5.7 g/10 min	ASTM D1238
Vinyl Acetate Content	26.7 wt%	26.7 wt%	ExxonMobil Method
Peak Melting Temperature	163 °F	73 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	147 °F	64.0 °C	ExxonMobil Method

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break	> 1300 psi	> 9.0 MPa	ExxonMobil Method
Elongation at Break	> 800 %	> 800 %	ExxonMobil Method
Flexural Modulus - 1% Secant	4100 psi	28 MPa	ExxonMobil Method
Durometer Hardness			ExxonMobil Method
Shore A, 15 sec	82	82	
Shore D, 15 sec	28	28	

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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