ExxonMobil Signature Polymers

ExxonMobil™ EVA 5014

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 5014 is a copolymer of ethylene and vinyl acetate. Processing Conditions Processing temperatures above 250 °C (482 °F) may cause resin degradation.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Compounding ▪ Foams	▪ Injection Molding ▪ Wire and Cable Compounds	
Revision Date	▪ 10/01/2017		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.935	g/cm³	0.935	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	5.0	g/10 min	5.0	g/10 min	ASTM D1238
Vinyl Acetate Content	14.0	wt%	14.0	wt%	ExxonMobil Method
Peak Melting Temperature	192	°F	89	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	141	°F	61	°C	ASTM D1525

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	8200	psi	57	MPa	ASTM D638
Tensile Strength at Break					ASTM D638
20 in/min (500 mm/min)	1900	psi	13	MPa	
Elongation at Break (20 in/min (500 mm/min))	770	%	770	%	ASTM D638
Durometer Hardness					ASTM D2240
Shore A, 15 sec	92		92		
Shore D, 15 sec	35		35		

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.

[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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