ExxonMobil Signature Polymers

ExxonMobil™ EVA 3514.93 Molding

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3514.93 is a 14.4% vinyl acetate copolymer with very good toughness, high clarity and excellent processability. It is suitable for use in making molded articles, extruded profiles and compounds.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Compounding ▪ Flexible Hoses	▪ Profile Extrusion ▪ Tube Extrusion	
Revision Date	▪ 04/01/2017		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.934	g/cm³	0.934	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	3.5	g/10 min	3.5	g/10 min	ExxonMobil Method
Vinyl Acetate Content	14.4	wt%	14.4	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	144	°F	62	°C	ASTM D1525

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield	840	psi	5.8	MPa	ASTM D638
Tensile Strength at Break	1900	psi	13	MPa	ASTM D638
Elongation at Yield	110	%	110	%	ASTM D638
Elongation at Break	620	%	620	%	ASTM D638
Flexural Modulus - 1% Secant	10000	psi	71	MPa	ASTM D790
Durometer Hardness					ASTM D2240
Shore A, 15 sec	85		85		
Shore D, 15 sec	31		31		

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Instrumented Dart Impact					ASTM D3763
-40°F (-40°C)	24	ft·lb	33	J	
73°F (23°C)	15	ft·lb	20	J	

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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