ExxonMobil Signature Polymers

ExxonMobil™ EVA 3514.93 Cast

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3514.93 is a 14.4 wt% vinyl acetate copolymer film resin. Film made from EVA 3514.93 exhibits very high impact strength, high clarity, and excellent heat sealability.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Heat Seal Layer	▪ Meat Packaging	
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

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	4900	psi	34	MPa	ASTM D882
Tensile Strength at Break TD	3000	psi	20	MPa	ASTM D882
Elongation at Break MD	200	%	200	%	ASTM D882
Elongation at Break TD	840	%	840	%	ASTM D882
Secant Modulus MD - 1% Secant	15000	psi	100	MPa	ASTM D882
Secant Modulus TD - 1% Secant	13000	psi	89	MPa	ASTM D882
Dart Drop Impact	100	g	100	g	ASTM D1709A
Elmendorf Tear Strength MD	260	g	260	g	ASTM D1922
Elmendorf Tear Strength TD	140	g	140	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	83		83		ASTM D2457
Haze	1.8	%	1.8	%	ASTM D1003

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

Film (2 mil / 50.8 micron) made from EVA 3514.93 on a 3.5 inch cast film line with a 5 inch melt curtain, 80°F (27°C) chill roll temperature at a 250 ft/min take-off speed and a melt temperature between 390-450°F (199-232°C).

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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