ExxonMobil Signature Polymers

ExxonMobil™ EVA 3514.93 Blown

(Legacy name: Escorene™ Ultra LD 713.93 Blown)

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	4600	psi	32	MPa	ASTM D882
Tensile Strength at Break TD	3600	psi	25	MPa	ASTM D882
Elongation at Break MD	330	%	330	%	ASTM D882
Elongation at Break TD	680	%	680	%	ASTM D882
Secant Modulus MD - 1% Secant	8600	psi	59	MPa	ASTM D882
Secant Modulus TD - 1% Secant	10000	psi	70	MPa	ASTM D882
Dart Drop Impact	300	g	300	g	ASTM D1709A
Elmendorf Tear Strength MD	90	g	90	g	ASTM D1922
Elmendorf Tear Strength TD	70	g	70	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	86		86		ASTM D2457
Haze	1.6	%	1.6	%	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 (1.5 mil / 38 micron) made from EVA 3514.93 on a 2.5 inch blown film line with a 6 inch die and 30 mil die gap at a 2.5:1 blow-up ratio and melt temperature of 340-360°F (171- 182°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: www.exxonmobilchemical.com/ContactUs

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