ExxonMobil Signature Polymers

ExxonMobil™ EVA 2519.IK

(Legacy name: Escorene™ Ultra LD 721.IK)

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 2519.IK is a high vinyl acetate copolymer specialty film resin providing outstanding heat sealability, along with excellent strength properties and clarity.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Heat Seal Layer	▪ Stretch Film	
Revision Date	▪ 07/01/2017		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.942	g/cm³	0.942	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.5	g/10 min	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	18.5	wt%	18.5	wt%	ExxonMobil Method
Peak Melting Temperature	187	°F	86	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	142	°F	61	°C	ASTM D1525

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	5300	psi	37	MPa	ASTM D882
Tensile Strength at Break TD	4800	psi	33	MPa	ASTM D882
Elongation at Break MD	360	%	360	%	ASTM D882
Elongation at Break TD	730	%	730	%	ASTM D882
Secant Modulus MD - 1% Secant	8200	psi	56	MPa	ASTM D882
Secant Modulus TD - 1% Secant	9200	psi	64	MPa	ASTM D882
Dart Drop Impact	370	g	370	g	ASTM D1709A
Elmendorf Tear Strength MD	60	g	60	g	ASTM D1922
Elmendorf Tear Strength TD	80	g	80	g	ASTM D1922
Puncture Force	15	lbf	69	N	ExxonMobil Method
Puncture Energy	41	in·lb	4.6	J	ExxonMobil Method

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	86		86		ASTM D2457
Haze	1.2	%	1.2	%	ASTM D1003

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Processing Statement

Film (1.5 mil / 38 micron) made from EVA 721.IK 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 320-340°F (160-171°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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