Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ EVA 2006 Series

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 2006 resins are 5.5 wt% vinyl acetate copolymer, high clarity film resins. Film made from these resins exhibits superior impact strength and heat sealability.

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ EVA 2006.KJ: Antiblock: 3000 ppm; Slip: 1100 ppm; Thermal Stabilizer: Yes ▪ EVA 2006.AS: Antiblock: 4000 ppm; Slip: No; Thermal Stabilizer: Yes ▪ EVA 2006.CJ: Antiblock: 1000 ppm; Slip: 500 ppm; Thermal Stabilizer: Yes		
Applications	▪ Co-Extrusion Films ▪ Foams ▪ Form Fill And Seal Packaging	▪ Freezer Film ▪ High Clarity Film ▪ Lamination Film	▪ Poultry Bag ▪ Produce Bags ▪ Rice Bags
Revision Date	▪ 06/17/2020		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	5.5	wt%	5.5	wt%	ExxonMobil Method
Peak Melting Temperature	214	°F	101	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	178	°F	81.0	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	1100	psi	7.3	MPa	ASTM D882
Tensile Strength at Yield TD	1000	psi	7.1	MPa	ASTM D882
Tensile Strength at Break MD	3600	psi	25	MPa	ASTM D882
Tensile Strength at Break TD	3400	psi	24	MPa	ASTM D882
Elongation at Break MD	190	%	190	%	ASTM D882
Elongation at Break TD	590	%	590	%	ASTM D882
Secant Modulus MD - 1% Secant	16000	psi	110	MPa	ASTM D882
Secant Modulus TD - 1% Secant	19000	psi	130	MPa	ASTM D882
Dart Drop Impact	180	g	180	g	ASTM D1709A
Elmendorf Tear Strength MD	160	g	160	g	ASTM D1922
Elmendorf Tear Strength TD	80	g	80	g	ASTM D1922
Puncture Force	7	lbf	33	N	ExxonMobil Method
Puncture Energy	6.7	in·lb	0.76	J	ExxonMobil Method

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	79		79		ASTM D2457
Haze	3.7	%	3.7	%	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/38.1 micron) made on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 340-360°F (171-182°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43 kg/hr/cm).

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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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.

For additional technical, sales and order assistance: Contact Us

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