ExxonMobil Signature Polymers

ExxonMobil™ EVA 04013.MJ Blown

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil EVA 04013.MJ is a fractional melt index, 12.8 wt% vinyl acetate copolymer specialty film resin for applications requiring outstanding heat sealability, strength, and toughness.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Compounding ▪ Freezer Film ▪ Heat Seal Layer	▪ Liquid Packaging ▪ Primal Meat Bags ▪ Profile Extrusion	▪ Stretch Film
Revision Date	▪ 06/11/2020		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.935	g/cm³	0.935	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.40	g/10 min	0.40	g/10 min	ExxonMobil Method
Vinyl Acetate Content	12.8	wt%	12.8	wt%	ExxonMobil Method
Peak Melting Temperature	201	°F	94	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	167	°F	75.0	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	5100	psi	35	MPa	ASTM D882
Tensile Strength at Break TD	5100	psi	35	MPa	ASTM D882
Elongation at Break MD	350	%	350	%	ASTM D882
Elongation at Break TD	640	%	640	%	ASTM D882
Secant Modulus MD - 1% Secant	9900	psi	68	MPa	ASTM D882
Secant Modulus TD - 1% Secant	12000	psi	84	MPa	ASTM D882
Dart Drop Impact	750	g	750	g	ASTM D1709A
Elmendorf Tear Strength MD	80	g	80	g	ASTM D1922
Elmendorf Tear Strength TD	100	g	100	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	78		78		ASTM D2457
Haze	3.1	%	3.1	%	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 04013.MJ 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 360-380°F (182- 193°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.

ExxonMobil™ EVA 04013.MJ Blown
Ethylene Vinyl Acetate Copolymer

For additional technical, sales and order assistance: Contact Us

exxonmobilchemical.com