Product Datasheet

ExxonMobil™ EVA 06005.HE

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 06005.HE is an LDPE, offering a good combination of mechanical, optical and sealing properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ Antiblock: 1500 ppm	▪ Slip: 550 ppm	▪ Thermal Stabilizer: Yes
Applications	▪ Co-Extrusion Films ▪ Foams ▪ Form Fill And Seal Packaging	▪ Freezer Film ▪ High Clarity Film ▪ Lamination Film	▪ Poultry Bag ▪ Rice Bags
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.928	g/cm³	0.928	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.60	g/10 min	0.60	g/10 min	ASTM D1238
Vinyl Acetate Content	5.0	wt%	5.0	wt%	ExxonMobil Method
Peak Melting Temperature	219	°F	104	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	3800	psi	26	MPa	ASTM D882
Tensile Strength at Break TD	3400	psi	24	MPa	ASTM D882
Elongation at Break MD	170	%	170	%	ASTM D882
Elongation at Break TD	540	%	540	%	ASTM D882
Secant Modulus MD - 1% Secant	25000	psi	170	MPa	ASTM D882
Secant Modulus TD - 1% Secant	29000	psi	200	MPa	ASTM D882
Dart Drop Impact	360	g	360	g	ASTM D1709A
Elmendorf Tear Strength MD	180	g	180	g	ASTM D1922
Elmendorf Tear Strength TD	110	g	110	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	52		52		ASTM D2457
Haze	9.8	%	9.8	%	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

The test specimen were prepared on ExxonMobil™ EVA 06005.HE, 50µm (1.97mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio2.5 and temperature profile of 180 - 190°C (356- 374°F).

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.

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

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