Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ EVA 3005 Series

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3005 series are LEVA LDPE grades, offering good optical and mechanical properties. Two additive combinations are available according to the required surface properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ ExxonMobil™ EVA 3005.BR: Antiblock: 1000 ppm; Slip: 750 ppm; Thermal Stabilizer: Yes ▪ ExxonMobil™ EVA 3005.BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes		
Applications	▪ Cast Film ▪ Co-Extrusion Films	▪ Foams ▪ High Clarity Film	▪ Lamination Film
Revision Date	▪ 07/26/2022		

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)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	4.5	wt%	4.5	wt%	ExxonMobil Method
Peak Melting Temperature	217	°F	103	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	4200	psi	29	MPa	ExxonMobil Method
Tensile Strength at Break TD	2800	psi	19	MPa	ExxonMobil Method
Elongation at Break MD	220	%	220	%	ExxonMobil Method
Elongation at Break TD	540	%	540	%	ExxonMobil Method
Secant Modulus MD - 1% Secant	22400	psi	155	MPa	ExxonMobil Method
Secant Modulus TD - 1% Secant	24400	psi	168	MPa	ExxonMobil Method
Dart Drop Impact (Method A)	110	g	110	g	ExxonMobil Method
Elmendorf Tear Strength MD	210	g	210	g	ASTM D1922
Elmendorf Tear Strength TD	60	g	60	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	73		73		ExxonMobil Method
Haze	5.1	%	5.1	%	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

The test specimen were prepared on ExxonMobil™ EVA 3005.BW, 30µm (1.18mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratioof 2.5 and temperature profile of 170 - 180°C (338 - 356°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

Product Datasheet

ExxonMobil™ EVA 3005 Series
Ethylene Vinyl Acetate Copolymer

For additional technical, sales and order assistance: Contact Us

©2025 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com