Product Datasheet

ExxonMobil™ EVA 02804.BW

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 02804.BW is an EVA LDPE which offers a combination of excellent sealability and toughness even at low temperatures.

General

Availability [1]	▪ Europe		
Additive	▪ ExxonMobil™ EVA 02804.BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes		
Applications	▪ Agricultural Film ▪ Co-Extrusion Films ▪ Construction Film	▪ Foams ▪ Form Fill And Seal Packaging ▪ Freezer Film	▪ Heavy Duty Bags ▪ Ice Bags ▪ Profile Extrusion
Revision Date	▪ 07/01/2013		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.926	g/cm³	0.926	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	0.28	g/10 min	0.28	g/10 min	ASTM D1238
Vinyl Acetate Content	4.0	wt%	4.0	wt%	ExxonMobil Method
Peak Melting Temperature	220	°F	104	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	1700	psi	12	MPa	ASTM D882
Tensile Strength at Yield TD	1400	psi	9.7	MPa	ASTM D882
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	390	%	390	%	ASTM D882
Elongation at Break TD	550	%	550	%	ASTM D882
Secant Modulus MD - 1% Secant	25000	psi	170	MPa	ASTM D882
Secant Modulus TD - 1% Secant	30000	psi	200	MPa	ASTM D882
Dart Drop Impact	560	g	560	g	ASTM D1709A
Elmendorf Tear Strength MD	200	g	200	g	ASTM D1922
Elmendorf Tear Strength TD	280	g	280	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	47		47		ASTM D2457
Haze	12	%	12	%	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 specimens were prepared on ExxonMobil™ EVA 02804.BW, 100 µm (3.94 mil) thick film, using a 200 mm (7.87 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio of 2.0 and temperature profile of 145 - 190°C (293 - 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.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

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

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For additional technical, sales and order assistance: Contact Us

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