

ExxonMobil™ EVA 23019.28 Cast

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil EVA 23019.28 is a high vinyl acetate extrusion coating resin, which provides outstanding heat sealability and high clarity. EVA 23019.28 has a good balance of drawability and neck-in and can be coextruded with LDPE extrusion coating resins on most coextrusion coating lines.

General

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Extrusion Coating	▪ Heat Seal Layer	
Revision Date	▪ 06/11/2020		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.941 g/cm ³	0.941 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	23 g/10 min	23 g/10 min	ASTM D1238
Vinyl Acetate Content	18.5 wt%	18.5 wt%	ExxonMobil Method
Peak Melting Temperature	181 °F	83 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	126 °F	52.0 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	3200 psi	22 MPa	ASTM D882
Tensile Strength at Break TD	2300 psi	16 MPa	ASTM D882
Elongation at Break MD	540 %	540 %	ASTM D882
Elongation at Break TD	790 %	790 %	ASTM D882
Secant Modulus MD - 1% Secant	6800 psi	47 MPa	ASTM D882
Secant Modulus TD - 1% Secant	7300 psi	51 MPa	ASTM D882
Dart Drop Impact	120 g	120 g	ASTM D1709
Elmendorf Tear Strength MD	280 g	280 g	ASTM D1922
Elmendorf Tear Strength TD	370 g	370 g	ASTM D1922
Puncture Energy	29 in-lb	3.2 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	90	90	ASTM D2457
Haze	0.8 %	0.8 %	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

Film (2 mil / 50.8 micron) made from EVA 23019.28 on a 3.5 inch cast film line with a 5 inch melt curtain, 80°F (27°C) chill roll temperature at a 250 ft/min take-off speed and a melt temperature between 390-450°F (199-232°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.

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