

ExxonMobil[™] EVA 23019.28 Cast (Legacy name: Escorene™ Ultra LD 723.28 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/cm³	0.941	g/cm³	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)	lest Based On	
Iensile Strength at Break MD	3200	psi	22	МРа	ASTM D882	
Iensile Strength at Break ID	2300	psi	16	МРа	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	9	ASTM D1709	
Elmendorf Tear Strength MD	280	g	280	9	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) make 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.

ExonMobil

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Ethylene Vinyl Acetate Copolymer

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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