ExxonMobil Signature Polymers

ExxonMobil™ EVA 14018.07

(Legacy name: Escorene™ Ultra LD 726.07)

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 14018.07 is primarily designed for high speed/low coating weight extrusion coating and is a good coextrusion partner with other polymers. EVA 14018.07 is an excellent sealing material with a very low seal initiation temperature and high clarity.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Applications	▪ Adhesive Lamination ▪ Barrier Food Packaging ▪ Coextrusion Coating ▪ Compounding ▪ Document Plastification ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Flexible Packaging ▪ High Frequency Sealing ▪ Industrial Packaging ▪ Injection Molding ▪ Masterbatch Base Resin	▪ Non-Woven Coating ▪ PVC Replacement ▪ Thermal Lamination ▪ Wire and Cable Compounds
Processing Method	▪ Extrusion Coating		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.939	g/cm³	0.939	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	14	g/10 min	14	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	18.0	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	131	°F	55	°C	ASTM D1525

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Durometer Hardness					ASTM D2240
Shore A, 15 sec	> 90		> 90		
Shore D, 15 sec	34		34		

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	1100	psi	7.5	MPa	ASTM D882
Elongation at Break MD	> 800	%	> 800	%	ASTM D882

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down					ExxonMobil Method
Constant output at 35 rpm, 446°F (230°C)	540	m/min	540	m/min	
Neck-in					ExxonMobil Method
328 ft/min (100 m/min), Constant output at 35 rpm, 446°F (230°C)	4.3	in	11	cm	
656 ft/min (200 m/min), Constant output at 35 rpm, 446°F (230°C)	3.7	in	9.5	cm	

Processing Statement

1 Constant output at 35 rpm, 446°F (230°C). Coating Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions. Typical coating values obtained on a pilot coextrusion coating line at ExxonMobil Europe Technical Center, at an air gap of 170 mm (6.22 inches).

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

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