

ExxonMobil Escorene™ FL 01418 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 01418 is primarily designed for high speed/low coating weight extrusion coating and is a good coextrusion partner with other polymers. FL 01418 is an excellent sealing material with a very low seal initiation temperature and high clarity. **Processing Conditions:** Excellent results are obtained in extrusion coating at 225°C (437°F) temperature range. Processing temperatures above 240°C (464°F) may cause resin degradation. FL 01418 should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be purged with LDPE or a suitable cleaning compound before shutdown. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Adhesive LaminationBarrier Food Packaging Coextrusion Coating CompoundingDocument PlastificationExtrusion CoatingExtrusion LaminationFlexible PackagingHigh Frequency SealingIndustrial PackagingInjection MoldingMasterbatch Base ResinNon-Woven CoatingPVC ReplacementThermal LaminationWire and Cable Compounds

Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-01418-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ExxonMobil method
Vinyl Acetate Content	18 %	18 %	ExxonMobil method
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238
Neck In	8.64 cm	3.40 in	656 ft/min, constant output at 35 rpm; ExxonMobil Method
	@Temperature 230 °C	@Temperature 446 °F	
	9.40 cm	3.70 in	328 ft/min, constant output at 35 rpm; ExxonMobil Method
	@Temperature 230 °C	@Temperature 446 °F	
Drawdown	8.17 m/s	1610 ft/min	Constant output at 35 rpm; ExxonMobil Method
	@Temperature 230 °C	@Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	Molded Properties; ISO 868
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	>= 0.689 MPa	>= 100 psi	Molded Properties; ISO 527-2/1A
Tensile Modulus	0.0331 GPa	4.80 ksi	Molded Properties; ISO 527-2

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	<= 180 °C Metric	<= 356 °F English	Peak Melting Point; ExxonMobil Method Comments
Vicat Softening Point	52.2 °C	126 °F	ASTM D1525

Descriptive Properties	Value	Comments
Blending Temperature	240	

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