

ExxonMobil Escorene™ FL 00309 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 00309 is a copolymer of ethylene and vinyl acetate. **Processing Conditions:** Processing temperatures above 270°C (513°F) may cause resin degradation. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: No **Applications:**Cast FilmCo-Extrusion FilmsFood packagingInjection MoldingLamination FilmInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00309-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	ExxonMobil method
Vinyl Acetate Content	9.4 %	9.4 %	ExxonMobil method
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93 @Time 15.0 sec	93 @Time 0.00417 hour	Molded Properties; ISO 868
Tensile Strength at Break	>= 0.689 MPa	>= 100 psi	Molded Properties; ISO 527-2/1A/100
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Tensile Modulus	0.0758 GPa	11.0 ksi	Molded Properties; ISO 527-2/1
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	130 g	130 g	ASTM D1922
Dart Drop Test	360 g	0.794 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	ASTM D882
1% Secant Modulus, MD	103 MPa	15000 psi	ASTM D882
1% Secant Modulus, TD	110 MPa	16000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 205 °C	<= 401 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	74.4 °C	166 °F	ASTM D1525

Descriptive Properties	Value	Comments
Blending Temperature	270	

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