

ExxonMobil Escorene™ FL 00014 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 00014 is a copolymer of ethylene and vinyl acetate. For film requiring very high toughness, low creep, excellent optical properties and low gel. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Bag in Box Batch Inclusion Bags Blown Film Food packaging Protective Film Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00014-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ExxonMobil method
Vinyl Acetate Content	14 %	14 %	ExxonMobil method
Melt Flow	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Film Tensile Strength at Break, MD	33.8 MPa	4900 psi	ASTM D882
Film Tensile Strength at Break, TD	35.9 MPa	5200 psi	ASTM D882
1% Secant Modulus, MD	82.7 MPa	12000 psi	ASTM D882
1% Secant Modulus, TD	89.6 MPa	13000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 193 °C	<= 379 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	76.1 °C	169 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D1003
Gloss	72 %	72 %	45°; ASTM D2457

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