

ExxonMobil Escorene™ FL 00018 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 00018 is a copolymer of ethylene and vinyl acetate. It offers combines toughness, good optical and sealing properties and low gel. In particular, its good behavior in high frequency sealing, RF, is much appreciated. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:**Co-Extrusion FilmsHeavy Duty BagsPallet Shrink FilmProfile ExtrusionStretch FilmInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00018-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	ExxonMobil method
Vinyl Acetate Content	17.5 %	17.5 %	ExxonMobil method
Melt Flow	0.37 g/10 min @Load 2.16 kg, Temperature 190 °C	0.37 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Film Tensile Strength at Break, MD	31.7 MPa	4600 psi	ASTM D882
Film Tensile Strength at Break, TD	31.7 MPa	4600 psi	ASTM D882
1% Secant Modulus, MD	51.0 MPa	7400 psi	ASTM D882
1% Secant Modulus, TD	53.1 MPa	7700 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 187 °C	<= 369 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	66.1 °C	151 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
Gloss	73 %	73 %	45°; ASTM D2457

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