

ExxonMobil Escorene™ FL 00218 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 00218 is a copolymer of ethylene and vinyl acetate. **Processing Conditions:** Processing temperatures above 240°C (464°F) may cause resin degradation. **Machines should always be purged with LDPE or suitable cleaning compound before shutdown.** **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Free Flowing Agent:** No **Applications:** Agricultural FilmBlown FilmCast FilmCo-Extrusion FilmsExtrusion CoatingLamination FilmTube **Extrusion**Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00218-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in³	ExxonMobil method
Vinyl Acetate Content	18 %	18 %	ExxonMobil method
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	180 g	180 g	ASTM D1922
Dart Drop Test	690 g	1.52 lb	ASTM D1709A
Film Tensile Strength at Break, MD	39.3 MPa	5700 psi	ASTM D882
Film Tensile Strength at Break, TD	33.8 MPa	4900 psi	ASTM D882
1% Secant Modulus, MD	50.3 MPa	7300 psi	ASTM D882
1% Secant Modulus, TD	50.3 MPa	7300 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 187 °C	<= 369 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	62.2 °C	144 °F	ASTM D1525

Descriptive Properties	Value	Comments
Blending Temperature	240	

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