

ExxonMobil Escorene™ FL 00209 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: FL 00209 is a copolymer of ethylene and vinyl acetate. **Processing Conditions:** Processing temperatures above 270°C (518°F) may cause resin degradation. Machines should always be purged with LDPE or suitable cleaning compound before shutdown. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: No **Applications:** Closures and DispensersCompoundingFood packagingInjection Molding Lamination FilmInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00209-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in³	ExxonMobil method
Vinyl Acetate Content	9.4 %	9.4 %	ExxonMobil method
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 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
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Tensile Modulus	0.0896 GPa	13.0 ksi	Molded Properties; ISO 527-2
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	190 g	190 g	ASTM D1922
Dart Drop Test	390 g	0.860 lb	ASTM D1709A
Film Tensile Strength at Break, MD	28.3 MPa	4100 psi	ASTM D882
Film Tensile Strength at Break, TD	26.9 MPa	3900 psi	ASTM D882
1% Secant Modulus, MD	89.6 MPa	13000 psi	ASTM D882
1% Secant Modulus, TD	96.5 MPa	14000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	78.3 °C	173 °F	ASTM D1525

Descriptive Properties	Value	Comments
Blending Temperature	270	

Contact Songhan Plastic Technology Co.,Ltd.

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