

## ExxonMobil Escorene™ FL 00212 Ethylene Vinyl Acetate Copolymer (European Grade)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

### Material Notes:

**Product Description:** FL 00212 is a copolymer of ethylene and vinyl acetate. **Processing Conditions:** Processing temperatures above 260°C (500°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: Yes **Applications:** Cast Film Co-Extrusion Films Compounding Freezer Film Injection Molding Stretch Film Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Escorene-FL-00212-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-FL-00212-Ethylene-Vinyl-Acetate-Copolymer-European-Grade.php)

| Physical Properties   | Metric   | English  | Comments          |
|-----------------------|--|--|-------------------|
| Density               | 0.933 g/cc   | 0.0337 lb/in <sup>3</sup>                            | ExxonMobil method |
| Vinyl Acetate Content | 12 %   | 12 %   | ExxonMobil method |
| Melt Flow             | 2.5 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 2.5 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238        |

| Mechanical Properties              | Metric               | English                  | Comments                        |
|------------------------------------|----------------------|--------------------------|---------------------------------|
| Hardness, Shore A                  | 92<br>@Time 15.0 sec | 92<br>@Time 0.00417 hour | Molded Properties; ISO 868      |
| Tensile Strength at Break          | >= 0.689 MPa         | >= 100 psi               | Molded Properties; ISO 527-2/1A |
| Film Elongation at Break, MD       | 600 %                | 600 %                    | ASTM D882                       |
| Film Elongation at Break, TD       | 650 %                | 650 %                    | ASTM D882                       |
| Tensile Modulus                    | 0.0689 GPa           | 10.0 ksi                 | Molded Properties; ISO 527-2/1  |
| Elmendorf Tear Strength MD         | 130 g                | 130 g                    | ASTM D1922                      |
| Elmendorf Tear Strength TD         | 190 g                | 190 g                    | ASTM D1922                      |
| Dart Drop Test                     | 510 g                | 1.12 lb                  | ASTM D1709A                     |
| Film Tensile Strength at Break, MD | 30.3 MPa             | 4400 psi                 | ASTM D882                       |
| Film Tensile Strength at Break, TD | 28.3 MPa             | 4100 psi                 | ASTM D882                       |
| 1% Secant Modulus, MD              | 68.9 MPa             | 10000 psi                | ASTM D882                       |
| 1% Secant Modulus, TD              | 68.9 MPa             | 10000 psi                | ASTM D882                       |

| Thermal Properties    | Metric    | English   | Comments                              |
|-----------------------|-----------|-----------|---------------------------------------|
| Melting Point         | <= 199 °C | <= 390 °F | Peak Melting Point; ExxonMobil method |
| Vicat Softening Point | 72.2 °C   | 162 °F    | ASTM D1525                            |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Blending Temperature   | 260   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China