

## ExxonMobil Escorene™ LD 730.09 Blown Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

### Material Notes:

**Product Description:** Escorene Ultra LD 730.09 is a 17.2% vinyl acetate copolymer film resin. LD 730.09 is designed to have superior strength and toughness combined with excellent optics and sealing properties. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Heat Seal Layer Pallet Shrink Film Stretch Film **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Escorene-LD-73009-Blown-Ethylene-Vinyl-Acetate-Copolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-73009-Blown-Ethylene-Vinyl-Acetate-Copolymer.php)

| Physical Properties   | Metric  | English   | Comments          |
|-----------------------|---|---|-------------------|
| Density               | 0.939 g/cc  | 0.0339 lb/in <sup>3</sup>                             | ExxonMobil method |
| Vinyl Acetate Content | 17.2 %  | 17.2 %  | ExxonMobil method |
| Melt Flow             | 0.70 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 0.70 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238        |

| Mechanical Properties              | Metric   | English   | Comments    |
|------------------------------------|----------|-----------|-------------|
| Film Elongation at Break, MD       | 370 %    | 370 %     | ASTM D882   |
| Film Elongation at Break, TD       | 660 %    | 660 %     | ASTM D882   |
| Elmendorf Tear Strength MD         | 50 g     | 50 g      | ASTM D1922  |
| Elmendorf Tear Strength TD         | 120 g    | 120 g     | ASTM D1922  |
| Dart Drop Test                     | 650 g    | 1.43 lb   | ASTM D1709A |
| Film Tensile Strength at Break, MD | 36.5 MPa | 5300 psi  | ASTM D882   |
| Film Tensile Strength at Break, TD | 36.5 MPa | 5300 psi  | ASTM D882   |
| 1% Secant Modulus, MD              | 63.4 MPa | 9200 psi  | ASTM D882   |
| 1% Secant Modulus, TD              | 68.9 MPa | 10000 psi | ASTM D882   |

| Thermal Properties    | Metric    | English   | Comments                              |
|-----------------------|-----------|-----------|---------------------------------------|
| Melting Point         | <= 189 °C | <= 372 °F | Peak Melting Point; ExxonMobil method |
| Vicat Softening Point | 67.2 °C   | 153 °F    | ASTM D1525                            |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
|--------------------|--------|---------|----------|

| Optical Properties | Metric | English | Comments <sup>13</sup> |
|--------------------|--------|---------|------------------------|
| Gloss              | 87 %   | 87 %    | 45°; ASTM D2457        |

## Contact Songhan Plastic Technology Co.,Ltd.

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