

Escorene™ Ultra LD 713.93 Cast

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 713.93 is a 14.4 wt% vinyl acetate copolymer film resin. Film made from LD 713.93 exhibits very high impact strength, high clarity, and excellent heat sealability.

General

| | | | |
|---------------------------|-------------------|------------------|---------------------------|
| Availability ¹ | ▪ Asia Pacific | ▪ Latin America | ▪ North America |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Heat Seal Layer | ▪ Meat Packaging | |
| Revision Date | ▪ 04/01/2017 | | |

Resin Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.934 g/cm ³ | 0.934 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 3.5 g/10 min | 3.5 g/10 min | ExxonMobil Method |
| Vinyl Acetate Content | 14.4 wt% | 14.4 wt% | ExxonMobil Method |
| Peak Melting Temperature | 192 °F | 89 °C | ExxonMobil Method |

Thermal

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 144 °F | 62 °C | ASTM D1525 |

Film Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break MD | 4900 psi | 34 MPa | ASTM D882 |
| Tensile Strength at Break TD | 3000 psi | 20 MPa | ASTM D882 |
| Elongation at Break MD | 200 % | 200 % | ASTM D882 |
| Elongation at Break TD | 840 % | 840 % | ASTM D882 |
| Secant Modulus MD - 1% Secant | 15000 psi | 100 MPa | ASTM D882 |
| Secant Modulus TD - 1% Secant | 13000 psi | 89 MPa | ASTM D882 |
| Dart Drop Impact | 100 g | 100 g | ASTM D1709A |
| Elmendorf Tear Strength MD | 260 g | 260 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 140 g | 140 g | ASTM D1922 |

Optical Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------|-------------------------|--------------------|---------------|
| Gloss (45°) | 83 | 83 | ASTM D2457 |
| Haze | 1.8 % | 1.8 % | ASTM D1003 |

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Film (2 mil / 50.8 micron) made from LD 713.93 on a 3.5 inch cast film line with a 5 inch melt curtain, 80°F (27°C) chill roll temperature at a 250 ft/min take-off speed and a melt temperature between 390-450°F (199-232°C).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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