

Escorene™ Ultra LD 723.28 Cast

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 723.28 is a high vinyl acetate extrusion coating resin, which provides outstanding heat sealability and high clarity. LD 723.28 has a good balance of drawability and neck-in and can be coextruded with LDPE extrusion coating resins on most coextrusion coating lines.

General

| | | | |
|---------------------------|---------------------|-------------------|---------------------------|
| Availability ¹ | ▪ Asia Pacific | ▪ Latin America | ▪ North America |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Extrusion Coating | ▪ Heat Seal Layer | |
| Revision Date | ▪ 06/11/2020 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.941 g/cm ³ | 0.941 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 23 g/10 min | 23 g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 18.5 wt% | 18.5 wt% | ExxonMobil Method |
| Peak Melting Temperature | 181 °F | 83 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|-------------------|
| Vicat Softening Temperature | 126 °F | 52.0 °C | ExxonMobil Method |

| Film Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|-------------------|
| Tensile Strength at Break MD | 3200 psi | 22 MPa | ASTM D882 |
| Tensile Strength at Break TD | 2300 psi | 16 MPa | ASTM D882 |
| Elongation at Break MD | 540 % | 540 % | ASTM D882 |
| Elongation at Break TD | 790 % | 790 % | ASTM D882 |
| Secant Modulus MD - 1% Secant | 6800 psi | 47 MPa | ASTM D882 |
| Secant Modulus TD - 1% Secant | 7300 psi | 51 MPa | ASTM D882 |
| Dart Drop Impact | 120 g | 120 g | ASTM D1709 |
| Elmendorf Tear Strength MD | 280 g | 280 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 370 g | 370 g | ASTM D1922 |
| Puncture Energy | 29 in-lb | 3.2 J | ExxonMobil Method |

| Optical Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------|-------------------------|--------------------|---------------|
| Gloss (45°) | 90 | 90 | ASTM D2457 |
| Haze | 0.8 % | 0.8 % | ASTM D1003 |

Legal Statement

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

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

Processing Statement

Film (2 mil / 50.8 micron) make from LD 723.28 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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