

# 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

|              |                     |                   |                           |
|--------------|---------------------|-------------------|---------------------------|
| Additive     | ▪ Antiblock: No     | ▪ Slip: No        | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Extrusion Coating | ▪ Heat Seal Layer |                           |

| Resin Properties           | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.941 g/cm <sup>3</sup> | 0.941 g/cm <sup>3</sup> | 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 °C              | ASTM D1525    |

| 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    |

