

# Escorene™ Ultra LD 728 Series

## Ethylene Vinyl Acetate Copolymer Resin

### Product Description

Escorene™ Ultra LD 728 Series are high vinyl acetate copolymer resins with low melting temperature and excellent strength properties and toughness.

### General

|              |                                                                                                                                                                                    |                                                                                         |  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|
| Additive     | <ul style="list-style-type: none"> <li>LD 728.PM: Antiblock: No; Slip: No; Thermal Stabilizer: Yes</li> <li>LD 728.61: Antiblock: No; Slip: No; Thermal Stabilizer: Yes</li> </ul> |                                                                                         |  |
| Applications | <ul style="list-style-type: none"> <li>Foams</li> <li>Injection Molding</li> </ul>                                                                                                 | <ul style="list-style-type: none"> <li>Profile Extrusion</li> <li>Shoe Soles</li> </ul> |  |

| Resin Properties           | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.943 g/cm <sup>3</sup> | 0.943 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index (190°C/2.16 kg) | 2.0 g/10 min            | 2.0 g/10 min            | ASTM D1238        |
| Vinyl Acetate Content      | 18.2 wt%                | 18.2 wt%                | ExxonMobil Method |
| Peak Melting Temperature   | 185 °F                  | 85 °C                   | ExxonMobil Method |

| Thermal                     | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 142 °F                  | 61 °C              | ASTM D1525    |

| Molded Properties            | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break    | 1900 psi                | 13 MPa             | ASTM D638     |
| Elongation at Break          | 690 %                   | 690 %              | ASTM D638     |
| Flexural Modulus - 1% Secant | 8100 psi                | 56 MPa             | ASTM D790     |
| Durometer Hardness           |                         |                    | ASTM D2240    |
| Shore A, 15 sec              | 91                      | 91                 |               |
| Shore D, 15 sec              | 33                      | 33                 |               |

