

Escorene™ Ultra LD 720 Series

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

Message:

Escorene Ultra LD 720 is a copolymer containing high content of vinyl acetate. It is a special film resin specially designed for applications with high heat sealability, good strength and toughness requirements. These resins are also used for special molding purposes.

| General Information | | | |
|---|---------------|--|-------------------|
| Additive | | LD 720.01: anti-caking agent (1%); Heat stabilizer; Sliding agent (7050 ppm) | |
| | | LD 720.62: heat stabilizer | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.6 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 18.5 | wt% | ExxonMobil Method |
| Films | Nominal Value | Unit | Test Method |
| secant modulus | | | ASTM D882 |
| 1% secant, MD | 65.4 | MPa | ASTM D882 |
| 1% secant, TD | 70.5 | MPa | ASTM D882 |
| Tensile Strength | | | ASTM D882 |
| MD: Fracture | 27.2 | MPa | ASTM D882 |
| TD: Fracture | 27.5 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Fracture | 180 | % | ASTM D882 |
| TD: Fracture | 650 | % | ASTM D882 |
| Dart Drop Impact | 370 | g | ASTM D1709A |
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD | 39 | g | ASTM D1922 |
| TD | 81 | g | ASTM D1922 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 62.0 | °C | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°) | 49 | | ASTM D2457 |
| Haze | 28 | % | ASTM D1003 |
| Legal statement | | | |

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