

# Escorene™ Ultra LD 705.MJ Blown

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

## Message:

Escorene Ultra LD 705.MJ is a fractional melt index copolymer special film resin containing 12.8% (mass fraction) vinyl acetate, which is used for applications requiring high heat sealing, high strength and high toughness (especially at low temperatures).

| General Information                       |                 |          |                   |
|-------------------------------------------|-----------------|----------|-------------------|
| Additive                                  | heat stabilizer |          |                   |
| Physical                                  | Nominal Value   | Unit     | Test Method       |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.40            | g/10 min | ASTM D1238        |
| Vinyl Acetate Content                     | 12.8            | wt%      | ExxonMobil Method |
| Films                                     | Nominal Value   | Unit     | Test Method       |
| secant modulus                            |                 |          | ASTM D882         |
| 1% secant, MD                             | 80.4            | MPa      | ASTM D882         |
| 1% secant, TD                             | 89.9            | MPa      | ASTM D882         |
| Tensile Strength                          |                 |          | ASTM D882         |
| MD: Fracture                              | 33.9            | MPa      | ASTM D882         |
| TD: Fracture                              | 34.6            | MPa      | ASTM D882         |
| Tensile Elongation                        |                 |          | ASTM D882         |
| MD: Fracture                              | 360             | %        | ASTM D882         |
| TD: Fracture                              | 660             | %        | ASTM D882         |
| Dart Drop Impact                          | 710             | g        | ASTM D1709A       |
| Elmendorf Tear Strength                   |                 |          | ASTM D1922        |
| MD                                        | 66              | g        | ASTM D1922        |
| TD                                        | 82              | g        | ASTM D1922        |
| Thermal                                   | Nominal Value   | Unit     | Test Method       |
| Vicat Softening Temperature               | 76.0            | °C       | ASTM D1525        |
| Optical                                   | Nominal Value   | Unit     | Test Method       |
| Gloss (45°)                               | 80              |          | ASTM D2457        |
| Haze                                      | 2.4             | %        | ASTM D1003        |
| Legal statement                           |                 |          |                   |

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