

Escorene™ Ultra UL 8705 Series

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

Message:

Escorene Ultra UL 8705 is a relatively low viscosity copolymer containing 27.6% vinyl acetate, which has better modulus/tensile properties than similar materials with the same viscosity. It is well compatible with hydrocarbons and natural tackifiers and most waxes, and is suitable for making hot melt adhesives, glue rods, sealants and mixed waxes. The additives contained in UL 8705E can improve the fluidity and operability of particles.

| General Information | | | |
|---|---------------------------|-------------------|-------------------|
| Additive | UL 8705E: heat stabilizer | | |
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| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.953 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 800 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 27.6 | wt% | ExxonMobil Method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shaw A, 15 seconds | 69 | | ASTM D2240 |
| Shaw D, 15 seconds | 18 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 1.93 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 360 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 19.9 | MPa | ASTM D790 |
| Fill Analysis | Nominal Value | Unit | Test Method |
| Melt Viscosity (190°C) | 9300 | mPa·s | ASTM D3236 |
| Legal statement | | | |

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