

Escorene™ Ultra UL 8705 Series

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra UL 8705 is a relatively low viscosity, 27.6% VA copolymer specifically tailored for enhanced modulus/tensile performance at the same viscosity of similar materials. It has good compatibility with both hydrocarbon and natural tackifiers and most waxes and is suitable for making hot melt adhesives, glue sticks, sealants and wax blends. UL 8705E contains an additive package to improve pellet flowability and handling.

General

| | | | |
|---------------------------|---|--|-----------------|
| Availability ¹ | ▪ Asia Pacific | ▪ Latin America | ▪ North America |
| Additive | ▪ UL 8705: Antiblock: No; Slip: No; Thermal Stabilizer: Yes ▪ UL 8705E: Antiblock: No; Slip: No; Thermal Stabilizer: Yes | | |
| Applications | ▪ Adhesives and Sealants ▪ Glue Sticks | ▪ Industrial Sealants ▪ Low Viscosity Adhesives | |
| Form(s) | ▪ Pellets | | |
| Revision Date | ▪ 06/11/2020 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.952 g/cm ³ | 0.952 g/cm ³ | ASTM D1505 |
| Vinyl Acetate Content | 27.6 wt% | 27.6 wt% | ExxonMobil Method |
| Peak Melting Temperature | 160 °F | 71 °C | ExxonMobil Method |
| Melt Viscosity (374°F (190°C)) | 9300 mPa·s | 9300 mPa·s | ASTM D3236 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|-------------------|
| Vicat Softening Temperature | 120 °F | 49.0 °C | ExxonMobil Method |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|-------------------|
| Tensile Strength at Break | 300 psi | 2.1 MPa | ExxonMobil Method |
| Elongation at Break | 248 % | 248 % | ExxonMobil Method |
| Flexural Modulus - 1% Secant | 3200 psi | 22 MPa | ExxonMobil Method |
| Durometer Hardness | | | ExxonMobil Method |
| Shore A, 15 sec | 76 | 76 | |
| Shore D, 15 sec | 20 | 20 | |

Processing Statement

All physical properties were measured on compression molded specimens.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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