

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 | <ul style="list-style-type: none"> Asia Pacific Latin America | <ul style="list-style-type: none"> North America South America |
| Additive | <ul style="list-style-type: none"> UL 8705E: Antiblock: No; Slip: No; Thermal Stabilizer: Yes UL 8705: Antiblock: No; Slip: No; Thermal Stabilizer: Yes | |
| Applications | <ul style="list-style-type: none"> Adhesives and Sealants Glue Sticks | <ul style="list-style-type: none"> Industrial Sealants Low Viscosity Adhesives |
| Form(s) | <ul style="list-style-type: none"> Pellets | |
| Revision Date | <ul style="list-style-type: none"> March 2010 | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.953 g/cm ³ | 0.953 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 800 g/10 min | 800 g/10 min | ASTM D1238 |
| 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 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Break | 280 psi | 1.9 MPa | ASTM D638 |
| Elongation at Break | 360 % | 360 % | ASTM D638 |
| Flexural Modulus - 1% Secant | 2900 psi | 20 MPa | ASTM D790 |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 69 | 69 | |
| Shore D, 15 sec | 18 | 18 | |

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

The test specimens were prepared using ASTM-D 4703, Procedure C.

Melt Index reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions.

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

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ExxonMobil Chemical Escorene™ Ultra UL 8705 Series

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Notes

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.

For additional technical, sales and order assistance:

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