

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

Additive	- UL 8705E: Antiblock: No; Slip: No; Thermal Stabilizer: Yes - UL 8705: Antiblock: No; Slip: No; Thermal Stabilizer: Yes	
Applications	- Adhesives and Sealants - Glue Sticks	- Industrial Sealants - Low Viscosity Adhesives
Form(s)	Pellets	

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 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break	300 psi	2.1 MPa	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Modulus - 1% Secant	3200 psi	22 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	76	76	
Shore D, 15 sec	20	20	

Processing Statement

The test specimens were prepared using ASTM D4703, Procedure C.

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.