

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 style="list-style-type: none"> UL 8705: Antiblock: No; Slip: No; Thermal Stabilizer: Yes UL 8705E: 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)	▪ 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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