

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 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		
Revision Date	▪ 01/01/2018		

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.

Escorene™ Ultra UL 8705 Series
Ethylene Vinyl Acetate Copolymer Resin

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

©2020 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com