ExxonMobil

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	▪ 03/01/2010		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.953	g/cm³	0.953	g/cm³	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 D4703, Procedure C. Melt Index reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions.

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.