

Escorene™ Ultra UL 7840E

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra UL 7840E is a 31.4% VA copolymer that has good compatibility with both hydrocarbon and natural tackifiers, and is suitable for making hot melt adhesives and sealants. UL 7840E contains an additive package to improve pellet flowability and handling.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Adhesives and Sealants	▪ Hot Melt Adhesives	▪ Industrial Sealants
Form(s)	▪ Pellets		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm ³	0.954 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	43 g/10 min	43 g/10 min	ASTM D1238
Vinyl Acetate Content	31.4 wt%	31.4 wt%	ExxonMobil Method
Peak Melting Temperature	142 °F	61 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	118 °F	48 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break	> 580 psi	> 4.0 MPa	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	1900 psi	13 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	68	68	
Shore D, 15 sec	14	14	

