

Escorene™ Ultra UL 7765

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra UL 7765 is a high viscosity, 26.2% VA copolymer that has very good flexibility and low temperature toughness. It has good compatibility with both hydrocarbon and natural tackifiers and most waxes, and is suitable for making hot melt adhesives, sealants and wax blends. The resin accepts high filler level and is therefore suitable for W&C applications, in particular for halogen free, flame retardant compounds.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Adhesives and Sealants ▪ Bonding Adhesives	▪ Hot Melt Adhesives ▪ Industrial Sealants	▪ Wax Blends ▪ Wire and Cable Compounds
Form(s)	▪ Pellets		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.950 g/cm ³	0.950 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.3 g/10 min	2.3 g/10 min	ASTM D1238
Vinyl Acetate Content	26.2 wt%	26.2 wt%	ExxonMobil Method
Peak Melting Temperature	167 °F	75 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	153 °F	67 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break	> 1600 psi	> 11 MPa	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	4800 psi	33 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	84	84	
Shore D, 15 sec	29	29	

