

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

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
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		
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.951 g/cm ³	0.951 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	165 °F	74 °C	ExxonMobil Method

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	1700 psi	11 MPa	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	4300 psi	30 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	82	82	
Shore D, 15 sec	23	23	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	18 ft·lb	24 J	
73°F (23°C)	16 ft·lb	22 J	

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.

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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