

Escorene™ Ultra UL 00728CC

Ethylene Vinyl Acetate Copolymer Resin

Product Description

UL 00728CC is a copolymer of ethylene and vinyl acetate. Processing Conditions Processing temperatures above 220 °C (428 °F) may cause resin degradation.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Thermal Stabilizer: Yes	
	▪ Slip: No	▪ Free Flowing Agent: No	
Applications	▪ Compounding	▪ Halogen-free flame retardant (HFFR) compounds	▪ Wire and Cable Compounds
	▪ Extrudable Adhesives	▪ Injection Molding	
Revision Date	▪ 04/01/2019		

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 ² (190°C/2.16 kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Vinyl Acetate Content	27.5 wt%	27.5 wt%	ExxonMobil Method
Peak Melting Temperature	161 °F	71 °C	ExxonMobil Method

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	109 °F	43 °C	ASTM D1525

Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	2300 psi	16 MPa	ASTM D638
Tensile Strength at Break			ASTM D638
20 in/min (500 mm/min)	1800 psi	12 MPa	
Elongation at Break (20 in/min (500 mm/min))	890 %	890 %	ASTM D638
Durometer Hardness			ASTM D2240
Shore A, 15 sec	80	80	
Shore D, 15 sec	25	25	

Electrical

	Typical Value (English)	Typical Value (SI)	Test Based On
Volume Resistivity (500 V)	5.1E+12 ohms·m	5.1E+12 ohms·m	IEC 62631-3-1
Relative Permittivity (50 Hz)	3.28	3.28	IEC 62631-2-1
Dissipation Factor (50 Hz)	1.8E-3	1.8E-3	IEC 62631-2-1

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

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638 : Type IV dumbbell, Hardness ASTM D2240 : 3 plied up disks) and 4 mm (157 mil) for VICAT.

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.

² Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D1238.

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