

Escorene™ Ultra UL 00728EL

Ethylene Vinyl Acetate Copolymer Resin

Product Description

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

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Europe
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No Thermal Stabilizer: Yes Free Flowing Agent: Yes
Applications	<ul style="list-style-type: none"> Compounding Extrudable Adhesives Injection Molding Wire and Cable Compounds
Revision Date	<ul style="list-style-type: none"> 01/01/2018

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 20 in/min (500 mm/min)	1800 psi	12 MPa	ASTM D638
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	

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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