

Escorene™ Ultra UL 00114

Ethylene Vinyl Acetate Copolymer Resin

Product Description

UL00114 is a fractional MI copolymer of ethylene and vinyl acetate.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ UL 00114: Antiblock: No; Slip: No; Thermal Stabilizer: No; Free Flowing Agent: No		
Applications	▪ Compounding	▪ Halogen-free flame retardant (HFFR) compounds	▪ Wire and Cable Compounds
Revision Date	▪ 04/01/2019		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.936 g/cm ³	0.936 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.73 g/10 min	0.73 g/10 min	ASTM D1238
Vinyl Acetate Content	14.0 wt%	14.0 wt%	ExxonMobil Method
Peak Melting Temperature	196 °F	91 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	159 °F	71 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	9800 psi	68 MPa	ASTM D638
Tensile Strength at Break 20 in/min (500 mm/min)	2400 psi	16 MPa	ASTM D638
Elongation at Break (20 in/min (500 mm/min))	780 %	780 %	ASTM D638
Durometer Hardness			ASTM D2240
Shore A, 15 sec	94	94	
Shore D, 15 sec	38	38	

Electrical	Typical Value (English)	Typical Value (SI)	Test Based On
Volume Resistivity (500 V)	1.1E+15 ohm·m	1.1E+15 ohm·m	IEC 62631-3-1
Relative Permittivity (50 Hz)	2.73	2.73	IEC 62631-2-1
Dissipation Factor (50 Hz)	2.8E-3	2.8E-3	IEC 62631-2-1

Legal Statement

This product is not intended for use in food contact application.

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Processing Statement

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D 4703 Procedure C (Tensile ASTM D 638 : Type IV dumbbell).

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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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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