

## Product Datasheet



# Escorene™ Ultra UL 00114

## Ethylene Vinyl Acetate Copolymer Resin

### Product Description

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

### General

|                           |                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability <sup>1</sup> | <ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> <li>Europe</li> </ul>                                       |
| Additive                  | <ul style="list-style-type: none"> <li>UL 00114: Antiblock: No; Slip: No; Thermal Stabilizer: No; Free Flowing Agent: No</li> </ul>                    |
| Applications              | <ul style="list-style-type: none"> <li>Compounding</li> <li>Halogen-free flame retardant (HFFR) compounds</li> <li>Wire and Cable Compounds</li> </ul> |
| Revision Date             | <ul style="list-style-type: none"> <li>04/01/2019</li> </ul>                                                                                           |

| Resin Properties           | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.936 g/cm <sup>3</sup> | 0.936 g/cm <sup>3</sup> | 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<br>20 in/min (500 mm/min) | 2400 psi                | 16 MPa             | ASTM D638     |
| Elongation at Break<br>(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 ohms·m          | 1.1E+15 ohms·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.

<sup>1</sup> 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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**ExxonMobil**

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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