

## Product Datasheet



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

| Resin Properties                        | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|-----------------------------------------|-------------------------|-------------------------|-------------------|
| Density                                 | 0.951 g/cm <sup>3</sup> | 0.951 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index <sup>2</sup> (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                        | 890 %                   | 890 %              | ASTM D638     |
| (20 in/min (500 mm/min))                   |                         |                    |               |
| 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.

<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.

<sup>2</sup> 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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**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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