

# ExxonMobil™ EVA 04013.MJ Molding

(Legacy name: Escorene™ Ultra LD 705.MJ Molding)

## Ethylene Vinyl Acetate Copolymer

### Product Description

ExxonMobil™ EVA 04013.MJ is a fractional MI, 12.8% VA copolymer suitable for use in making blow molded articles, extruded profiles and compounds.

### General

|                           |   |
|---------------------------|---|
| Availability <sup>1</sup> | <ul style="list-style-type: none"> <li>Asia Pacific</li> <li>Latin America</li> <li>North America</li> </ul>  |
| Additive                  | <ul style="list-style-type: none"> <li>Thermal Stabilizer: Yes</li> </ul>   |
| Applications              | <ul style="list-style-type: none"> <li>Bonding Adhesives</li> <li>Flexible Hoses</li> <li>Compounding</li> <li>Profile Extrusion</li> <li>Tube Extrusion</li> <li>Viscosity Modifier</li> </ul> |
| Revision Date             | <ul style="list-style-type: none"> <li>06/11/2020</li> </ul>  |

### Resin Properties

|                            | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density                    | 0.935 g/cm <sup>3</sup> | 0.935 g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index (190°C/2.16 kg) | 0.40 g/10 min           | 0.40 g/10 min           | ExxonMobil Method |
| Vinyl Acetate Content      | 12.8 wt%                | 12.8 wt%                | ExxonMobil Method |
| Peak Melting Temperature   | 201 °F                  | 94 °C                   | ExxonMobil Method |

### Thermal

|                             | Typical Value (English) | Typical Value (SI) | Test Based On     |
|-----------------------------|-------------------------|--------------------|-------------------|
| Vicat Softening Temperature | 167 °F                  | 75.0 °C            | ExxonMobil Method |

### Molded Properties

|                                      | Typical Value (English) | Typical Value (SI) | Test Based On     |
|--------------------------------------|-------------------------|--------------------|-------------------|
| Tensile Strength at Yield            | 1000 psi                | 7.2 MPa            | ExxonMobil Method |
| Tensile Strength at Break            | 2300 psi                | 16 MPa             | ExxonMobil Method |
| Elongation at Yield                  | 110 %                   | 110 %              | ExxonMobil Method |
| Elongation at Break                  | 656 %                   | 656 %              | ExxonMobil Method |
| Flexural Modulus - 1% Secant         | 12000 psi               | 86 MPa             | ExxonMobil Method |
| Durometer Hardness (Shore D, 15 sec) | 36                      | 36                 | ExxonMobil Method |

### Impact

|                          | Typical Value (English) | Typical Value (SI) | Test Based On     |
|--------------------------|-------------------------|--------------------|-------------------|
| Instrumented Dart Impact |                         |                    | ExxonMobil Method |
| -40°F (-40°C)            | 17 ft-lb                | 23 J               |                   |
| 73°F (23°C)              | 15 ft-lb                | 20 J               |                   |

### 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

All physical properties were measured on compression molded specimens.

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

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