

ExxonMobil™ EVA 3514.93 Molding

(Legacy name: Escorene™ Ultra LD 713.93 Molding)

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 3514.93 is a 14.4% vinyl acetate copolymer with very good toughness, high clarity and excellent processability. It is suitable for use in making molded articles, extruded profiles and compounds.

General

| | | | |
|---------------------------|---------------------------|---------------------|------------------|
| Availability ¹ | ▪ Asia Pacific | ▪ Latin America | ▪ North America |
| Additive | ▪ Thermal Stabilizer: Yes | | |
| Applications | ▪ Compounding | ▪ Profile Extrusion | ▪ Tube Extrusion |
| Revision Date | ▪ 04/01/2017 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.934 g/cm ³ | 0.934 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 3.5 g/10 min | 3.5 g/10 min | ExxonMobil Method |
| Vinyl Acetate Content | 14.4 wt% | 14.4 wt% | ExxonMobil Method |
| Peak Melting Temperature | 192 °F | 89 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 144 °F | 62 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Yield | 840 psi | 5.8 MPa | ASTM D638 |
| Tensile Strength at Break | 1900 psi | 13 MPa | ASTM D638 |
| Elongation at Yield | 110 % | 110 % | ASTM D638 |
| Elongation at Break | 620 % | 620 % | ASTM D638 |
| Flexural Modulus - 1% Secant | 10000 psi | 71 MPa | ASTM D790 |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 85 | 85 | |
| Shore D, 15 sec | 31 | 31 | |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------|-------------------------|--------------------|---------------|
| Instrumented Dart Impact | | | ASTM D3763 |
| -40°F (-40°C) | 24 ft·lb | 33 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.

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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