

Escorene™ Ultra FL 00909

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00909 is used in extrusion coating, cast film and co-extrusion. FL 00909 is a good sealing material with good optical properties. Processing Conditions Excellent results are obtained in extrusion coating at 250°C (482°F) temperature range. Processing temperatures above 270°C (518°F) may cause resin degradation. FL00909 should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be purged with LDPE or a suitable cleaning compound before shutdown.

General

| | | | |
|---------------------------|--|---|--------------------------|
| Availability ¹ | ▪ Africa & Middle East | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: No |
| Applications | ▪ Adhesion Promoter ▪ Barrier Food Packaging ▪ Coextrusion Coating | ▪ Extrusion Coating ▪ Extrusion Lamination ▪ Flexible Packaging | ▪ Injection Molding |
| Revision Date | ▪ 01/01/2018 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.929 g/cm ³ | 0.929 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 9.0 g/10 min | 9.0 g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 9.4 wt% | 9.4 wt% | ExxonMobil Method |
| Peak Melting Temperature | 202 °F | 94 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 157 °F | 70 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|---------------|
| Tensile Modulus (0.20 in/min (5.0 mm/min)) | 13000 psi | 93 MPa | ASTM D638 |
| Tensile Strength at Break 20 in/min (500 mm/min) | 1700 psi | 12 MPa | ASTM D638 |
| Elongation at Break (20 in/min (500 mm/min)) | 810 % | 810 % | ASTM D638 |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 95 | 95 | |
| Shore D, 15 sec | 39 | 39 | |

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.

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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