

Product Datasheet



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			ASTM D638
20 in/min (500 mm/min)	1700 psi	12 MPa	
Elongation at Break	810 %	810 %	ASTM D638
(20 in/min (500 mm/min))			
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.

Product Datasheet



Escorene™ Ultra FL 00909

Ethylene Vinyl Acetate Copolymer Resin

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com

