

Product Datasheet



Escorene™ Ultra FL 00014

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00014 is a fractional MI copolymer of ethylene and vinyl acetate. For film requiring very high toughness, low creep, excellent optical properties and low gel.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Bag in Box ▪ Batch Inclusion Bags	▪ Blown Film ▪ Food Packaging	▪ Protective Film
Revision Date	▪ 07/01/2017		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.938 g/cm ³	0.938 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ExxonMobil Method
Vinyl Acetate Content	14.0 wt%	14.0 wt%	ExxonMobil Method
Peak Melting Temperature	200 °F	94 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	168 °F	76 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	5300 psi	37 MPa	ASTM D882
Tensile Strength at Break TD	5500 psi	38 MPa	ASTM D882
Elongation at Break MD	610 %	610 %	ASTM D882
Elongation at Break TD	660 %	660 %	ASTM D882
Secant Modulus MD - 1% Secant	11000 psi	73 MPa	ASTM D882
Secant Modulus TD - 1% Secant	11000 psi	74 MPa	ASTM D882

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	88	88	ASTM D2457
Haze	1.6 %	1.6 %	ASTM D1003

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Processing Statement

Film properties were measured on a 100µm (3.94 mil) thick film extruded on a conventional LDPE extruder (screw diameter 60mm (2.36 in), rotating die diameter : 200mm (7.87 in), die gap : 1 mm (39.4mil), BUR 2.5:1, die temperature 190°C (374F))

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

ExxonMobil

Escorene™ Ultra FL 00014
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