

Escorene™ Ultra UL 04331EL

Ethylene Vinyl Acetate Copolymer Resin

Product Description

UL 04331EL is a HEVA grade, especially designed for photovoltaic cells and encapsulation applications, requiring a good balance of adhesion and COF. It offers excellent light transmission characteristics. UL 04331EL contains an additive package to improve pellet flowability and handling.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Applications	▪ Encapsulation	▪ Hot Melt Adhesives	▪ Photovoltaic Cells
Revision Date	▪ 05/29/2015		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm ³	0.954 g/cm ³	ExxonMobil Method
Melt Index ²	41 g/10 min	41 g/10 min	ExxonMobil Method
Vinyl Acetate Content	31.4 wt%	31.4 wt%	ExxonMobil Method
Peak Melting Temperature	139 °F	60 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	93 °F	34 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	1200 psi	8.0 MPa	ASTM D638
Tensile Strength at Break	870 psi	6.0 MPa	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Durometer Hardness			ASTM D2240
Shore A, 15 sec	66	66	
Shore D, 15 sec	13	13	

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

The test specimens were prepared using ASTM D4703, Procedure C.

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.

² Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

HongRong Engineering Plastics Co.,Ltd.
Head Office Tel. +85-2-6957-5415
Research Center Tel.+188 1699 6168

Escorene™ Ultra UL 04331EL
Ethylene Vinyl Acetate Copolymer Resin

©2015 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 Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

