

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

Applications ▪ Encapsulation ▪ Hot Melt Adhesives ▪ Photovoltaic Cells

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.