

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	

