

ExxonMobil Escorene™ UL 04331EL Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

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 packaging to improve pellet flowability and handling. **Availability:** Africa & Middle East, Latin America, Europe, North America and South America
Applications: Encapsulation Hot Melt Adhesives Photovoltaic Cells Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-UL-04331EL-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ExxonMobil method
Vinyl Acetate Content	31.4 %	31.4 %	ExxonMobil method
Melt Flow	43 g/10 min @Load 2.16 kg, Temperature 190 °C	43 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66 @Time 15.0 sec	66 @Time 0.00417 hour	ASTM D2240
Hardness, Shore D	13 @Time 15.0 sec	13 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	6.00 MPa	870 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Tensile Modulus	0.00827 GPa	1.20 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	<= 139 °C	<= 282 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	33.9 °C	93.0 °F	ASTM D1525

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