

ExxonMobil Escorene® LD-401 EVA for Electrical Insulation (discontinued **)

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Wire/Cable Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical. A crosslinkable, 9.9% vinyl acetate copolymer designed for electrical applications. Applications: Base resin for fully formulated low voltage cable insulations compounds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-401-EVA-for-Electrical-Insulation-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50, Condition A; ASTM D1693
Melt Flow	3.6 g/10 min	3.6 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	ASTM D2240
Tensile Strength, Ultimate	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	750 %	750 %	ASTM D638
Flexural Modulus	0.0830 GPa	12.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	96.0 °C	205 °F	Exxon Method
Brittleness Temperature	<= -72.0 °C	<= -97.6 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.45	2.45	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	18.3 kV/mm	465 kV/in	ASTM D149
	@Thickness 3.17 mm	@Thickness 0.125 in	
Dissipation Factor	0.0080	0.0080	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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