

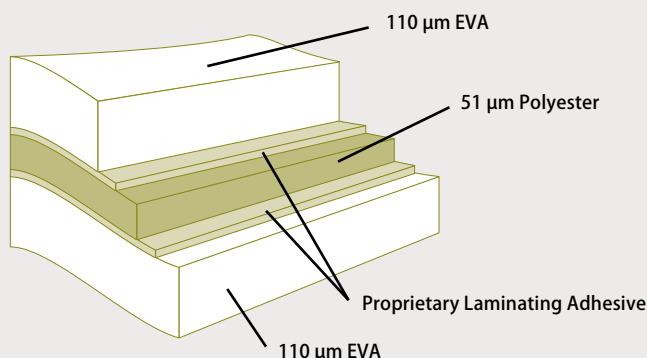
InsulPatch[®] Datasheet

Laminates for PV Electrical Insulating Applications

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	281 μm
Width Range	51- 1700 mm
Weight	285 g/m ²
Density	1.15 g/cm ³
EVA Colors	All

EVA / PET / EVA



TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD/TD)	Internal Testing – Data Available	40 MPa (MD) / 50 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing – Data Available	145% (MD) / 80% (TD)
EVA Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 40 N/cm
Relative Thermal Index (RTI)	Suitable for continuous use at 85°C	105°C

ELECTRICAL INSULATION TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Partial Discharge	IEC 60664-1	≥ 1000 VDC
Dielectric Strength	UL 746 A	≥ 17 kV
Volume Resistivity		$16 \times 10^{\text{ohm-cm}}$
Comparative Tracking Index (CTI)	Thickness tested: 3.0mm	$\geq 600\text{V}$

*Theoretical nominal

This product is covered by one or more U.S. patents and pending U.S. and other patent applications. Please see www.madico.com/patents Typical Data – Not Specification

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