

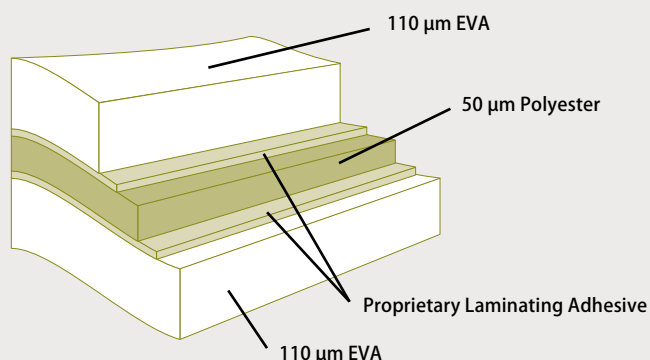
InsulPatch® Datasheet

Laminates for PV Electrical Insulating Applications

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness	280 ± 28 µm
Width Range	25 - 1700 mm
Weight	285 g/m ²
Density	1.1-1.2 g/cm ³
EVA Colors	Clear, Bright White, Black, Custom Colors

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)
Tear Strength (MD/TD)	Internal Testing – Data Available	10 N (MD) / 13 N (TD)
Dimensional Stability	150°C for 30 min; Internal Testing – Data Available	< 1%
EVA Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 40 N/cm

WEATHERABILITY TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Relative Thermal Index (RTI)	Suitable for use at continuous 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	18 kV
Volume Resistivity		16 10 ⁹ ohm-cm
Comparative Tracking Index (CTI)	Thickness tested: 3.0mm	600V
Inclined Plane Tracking	UL 746A	average 60+ min to track at 2500V

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