

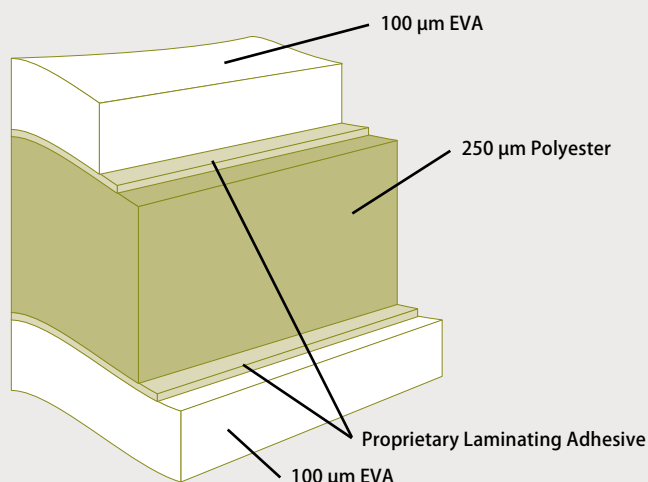
InsulPatch® SHD Datasheet

Laminates for PV Electrical Insulating Applications

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness	475 ± 48 µm
Width Range	25 - 1700 mm
Weight	1000 g/m ²
Density	1.18 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	100 MPa (MD) / 120 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing – Data Available	175% (MD) / 130% (TD)
Tear Strength (MD/TD)	Internal Testing – Data Available	8.71 N (MD) / 10.77 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

INSULPATCH® is a registered trademark of Madico, Inc. 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 © 2012 Madico, Inc.

Madico PhotoVoltaic Backsheets
64 Industrial Parkway
Woburn MA, 01801
USA

Phone: 1-800-633-0140
Fax: 1-781-935-6841
Email: InfoSF@madico.com
www.madicopv.com

V0851 R06
MADICO
PV BACKSHEETS