

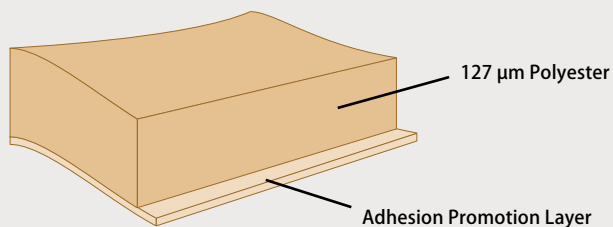
P600 Datasheet

Cost Effective and Robust 600V Backsheet

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	132 μm
Width Range	25 - 1700 mm
Weight	178 g/m ²
Density	1.39 g/cm ³
Color (air side and cell side)	White

PET / ADHESION LAYER



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	125% (MD) / 75% (TD)
Dimensional Stability	150°C for 30 min; Internal Testing – Data Available	$\leq 2\%$
PET Peel Strength from Encapsulant	Internal Testing – Data Available	$\geq 13\text{ N/cm}$
Relative Thermal Index (RTI)	Suitable for continuous use at 85°C	105°C

WEATHERABILITY TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Damp Heat Testing	85°C, 85% RH IEC 61215	≥ 3000 Hours
UV Stability	UL 746C	≥ 1000 Hours

ELECTRICAL INSULATION TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Partial Discharge	According to IEC 60664-1, Internal Testing	$\geq 600\text{ VDC}$

FLAME RESISTANCE TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Flame Spread Index	ASTM E162	41

*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 © 2014 Madico, Inc.

PV0020 R01

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

 **MADICO**[®]
PV BACKSHEETS