

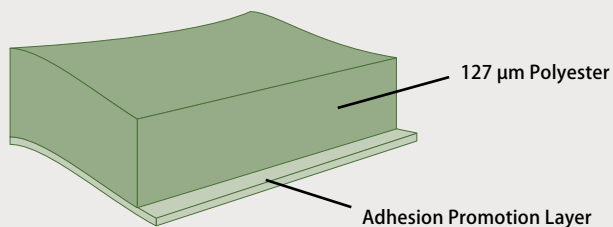
# P600 Datasheet

Cost Effective and Robust 600V Backsheet

## MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	132 µm
Width Range	25 - 1700 mm
Weight	178 g/m <sup>2</sup>
Density	1.39 g/cm <sup>3</sup>
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	≤ 2 %
PET Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 13 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	≥ 600 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](http://www.madico.com/patents) Typical Data – Not Specification © 2014 Madico, Inc.

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