

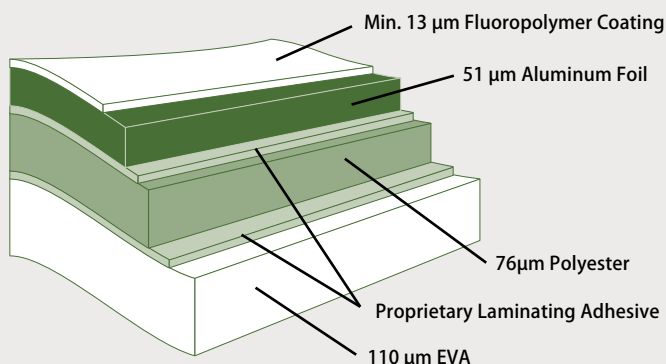
Protekt® TFB Datasheet

Madico's Classic Fluoropolymer Coating Barrier Backsheet Design

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	260 µm
Width Range	25 - 1700 mm
Weight	370 g/m ²
Density	1.46 g/cm ³
Coating Color (air side)	White, Charcoal
EVA Colors Options (cell side)	All

FLUOROPOLYMER COATING / AL / PET / EVA



TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD/TD)	Internal Testing – Data Available	70 MPa (MD) / 66 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing – Data Available	62% (MD) / 40% (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
Peel Strength of Layers	PET / EVA	≥ 5 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	≥ 1000 hours
Heat Freeze Humidity	UL 1703, >10 cycles	>70% of initial mechanical properties retained
UV Stability	UL 746C	≥ 2000 Hours
MVTR	ASTM F1249	≤ 0.005 g/m ² per day

ELECTRICAL INSULATION TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Partial Discharge	IEC 60664-1	≥ 800 VDC

FLAME RESISTANCE TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Flame Spread Index	ASTM E162	0

*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.

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

© 2016 Madico, Inc. V0802 1/16

MADICO®
PV BACKSHEETS