

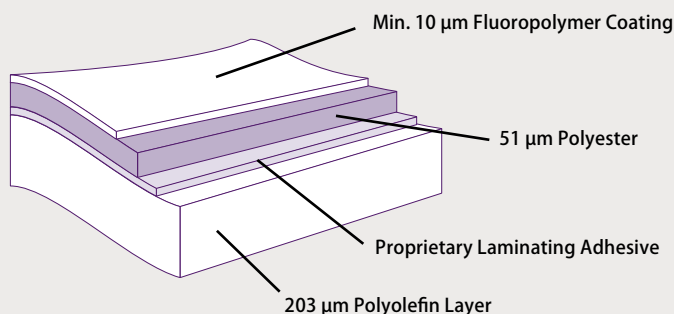
Reflekt® Lean Datasheet

Highly Reflective Backsheets

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	269 µm
Width Range	25-1830 mm
Coating Color	White
Polyolefin Color Options	White, Black**

FLUOROPOLYMER COATING / PET / POLYOLEFIN



TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD)	Internal Testing – Data Available	45 MPa (MD)
Elongation at Break (MD)	Internal Testing – Data Available	125% (MD)
Dimensional Stability	150°C for 30 min; Internal Testing – Data Available	<1%
Polyolefin Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 40 N/cm
Peel Strength of Layers	PET/Polyolefin	≥ 5 N/cm
Reflectance Range	400-700 nm	≥90%
Relative Thermal Index (RTI)	Suitable for use at continuous 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	≤ 1.5 g/m² per day

ELECTRICAL INSULATION TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Partial Discharge	IEC-60664, IEC-61730	> 1000 VDC

FLAME RESISTANCE TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Flame Spread Index	ASTM E162	57

*Theoretical nominal

**Use of Black Polyolefin will not provide the specified reflectance

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

PV0016 R00
MADICO®
PV BACKSHEETS