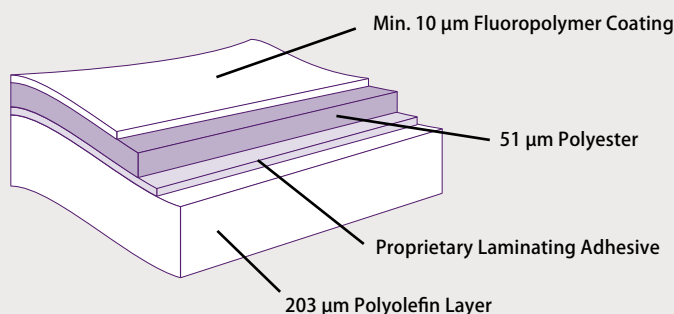


Reflekt® Lean Prime Datasheet

Highly Reflective Backsheets

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	269 µm
Width Range	25-1700 mm
Weight	302 g/m ²
Density	1.08 g/cm ³
Coating Color (air side)	White
Polyolefin Color Options (cell side)	All Colors**



FLUOROPOLYMER COATING / PET / POLYOLEFIN

TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD/TD)	Internal Testing – Data Available	49 MPa (MD), 57 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing – Data Available	90% (MD), 78% (TD)
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 continuous use at 100°C	120°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/m ² 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	55

*Theoretical nominal

**Use of Non-white 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

PV0017 R02
MADICO®
PV BACKSHEETS