

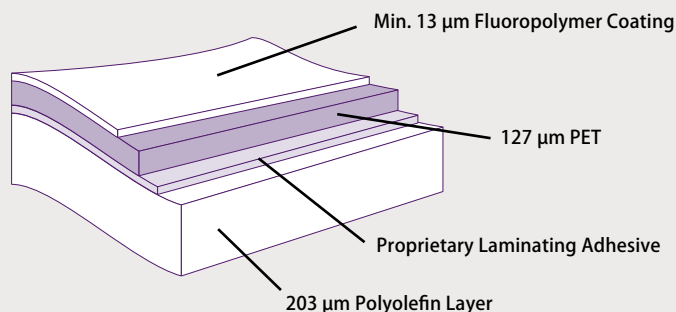
Reflekt[®] Lean 300 Datasheet

Highly Reflective Backsheet for a Type 1 Module

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	345 µm
Width Range	51 - 1700 mm
Weight	412 g/m ²
Density	1.15 g/cm ³
Coating Color (air side)	White, Charcoal
Polyolefin Color Options (cell side)	All Colors**

FLUOROPOLYMER COATING / PET / POLYOLEFIN



TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD)	Internal Testing – Data Available	77 MPa (MD) / 83 MPa (TD)
Elongation at Break (MD)	Internal Testing – Data Available	135% (MD) / 107% (TD)
Dimensional Stability	150°C for 30 min; Internal Testing – Data Available	1.2 %
Polyolefin Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 40 N/cm
Peel Strength of Layers	PET/Polyolefin	≥ 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	≥ 1000 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

*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

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. PV0021 3/16

MADICO
PV BACKSHEETS