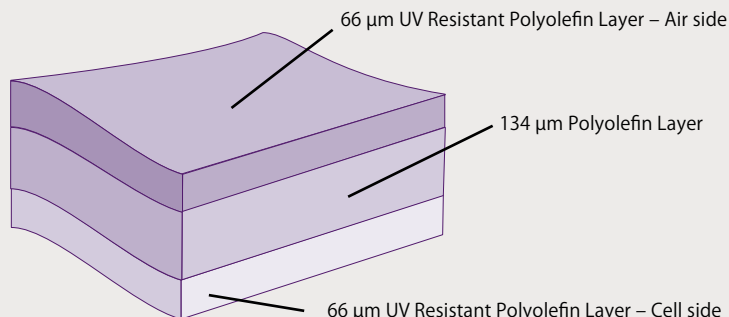


Reflekt® EX Datasheet

Highly Reflective; Adhesive, Polyester & Fluorine Free NEXT Generation Form Stable Backsheet

MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	266 µm
Width Range	25-1700 mm
Weight	412 g/m ²
Density	0.980 g/cm ³
Color Options (Air side)	White, Black
Color Options (Cell side)**	White, Black



TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD/TD)	Internal Testing – Data Available	≥30 MPa (MD) / ≥25 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing – Data Available	> 600%
Dimensional Stability	150°C for 30 min; Internal Testing – Data Available	≤ 1.5%
Polyolefin Peel Strength from Encapsulant	Internal Testing – Data Available	≥ 40 N/cm
Relative Thermal Index (RTI)	Suitable for continuous use at 115°C (per IEC-61730 Revised)	115°C
Reflectance Range	400 - 700 nm	≥ 90%

WEATHERABILITY TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Damp Heat Testing	85°C, 85% RH IEC 61215	≥ 3000 Hours
Heat Freeze Humidity	UL 1703, >10 cycles	> 70% of initial mechanical properties retained
UV Stability	UL 746C / IEC-62788-2	≥ 2000 Hours
MVTR	ASTM F1249	≤ 1.5g/m ² / 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	47

*Theoretical nominal

**Use of Non-white Polyolefin on the cell side will not provide the specified reflectance.

This product is covered by one or more patents or pending patent applications.
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