

# Reflekt<sup>®</sup> Light

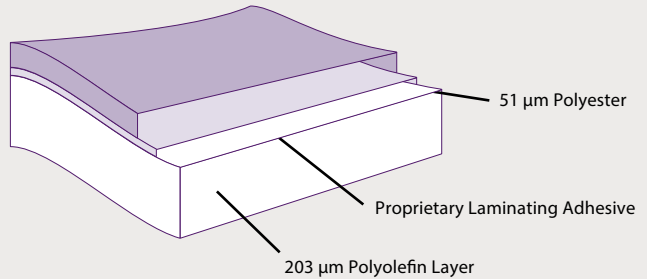
## Datasheet

### Highly Reflective Fluorine-free Backsheets

#### MATERIAL COMPOSITION

TEST:	RESULTS:
Thickness*	259 µm
Width Range	51 - 1700 mm
Weight	285 g/m <sup>2</sup>
Density	1.14 g/cm <sup>3</sup>
Outer Layer Color (air side)	White
Polyolefin Color Options (cell side)	All Colors**

PET / POLYOLEFIN



#### TECHNICAL CHARACTERISTICS

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength at Break (MD/TD)	Internal Testing -Data Available	53 MPa (MD) / 69 MPa (TD)
Elongation at Break (MD/TD)	Internal Testing -Data Available	125% (MD) / 75% (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	≥ 1000 Hours
MVTR	ASTM F1249	≤ 1.5 g/m <sup>2</sup> per day

#### ELECTRICAL INSULATION TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Partial Discharge	IEC-60664, IEC-61730	≥ 1000 VDC
Dielectric Strength	UL 746A	19 kV
Comparative Tracking Index (CTI)		PLC-1 (500V)

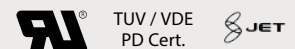
#### FLAME RESISTANCE TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Flame Spread Index	ASTM E162	63
High Current Arc Ignition (HAI)	Exposed to 122 arcs with no ignition	PLC-0

\*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.  
Typical Data -Not Specification



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