

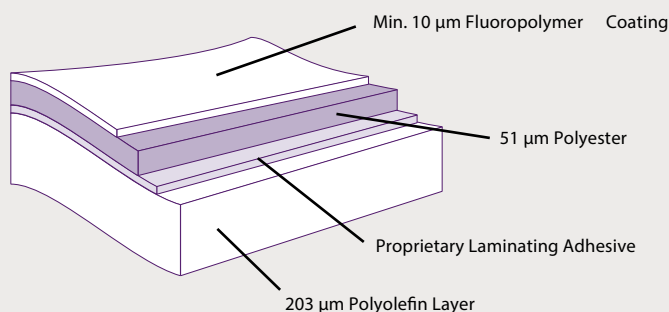
# Reflekt<sup>®</sup> Lean Prime

## Datasheet

### Highly Reflective Backsheets

#### MATERIAL COMPOSITION

| TEST:                                | RESULTS:               |
|--------------------------------------|------------------------|
| Thickness*                           | 269 µm                 |
| Width Range                          | 51 - 1700 mm           |
| Weight                               | 302 g/m <sup>2</sup>   |
| Density                              | 1.08 g/cm <sup>3</sup> |
| 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 <sup>2</sup> 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.  
Typical Data - Not Specification

