

kuraray

SOLAR R40 ULTRA WHITE

ADVANCED PERFORMANCE WITH
ULTRA REFLECTIVE PVB FILM

PRODUCT INFORMATION

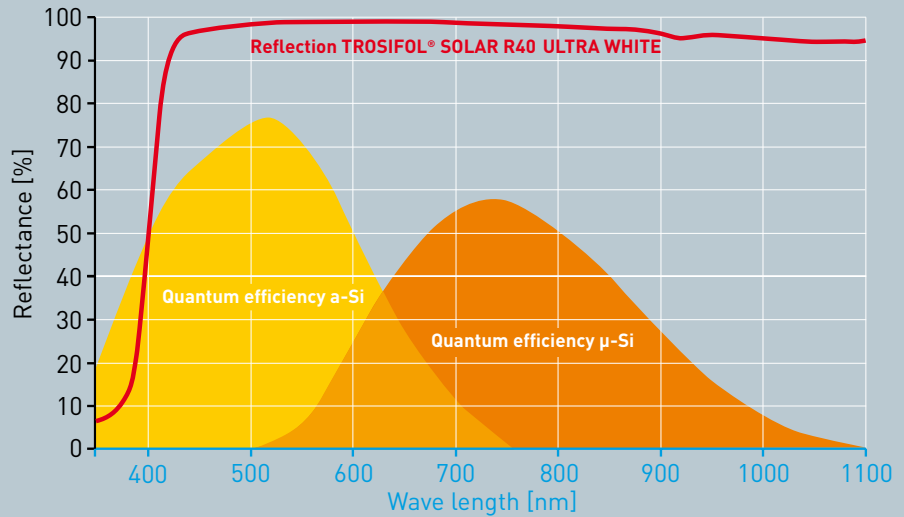
TROSIFOL[®]

SUPERIOR MODULES EFFICIENCY. REFLECTIVE PVB FILM.

PRODUCT FEATURES

- Multi-functional product: encapsulant + excellent light reflection (over broad wave length range)
- Significant efficiency improvement for higher module energy yield
- Lower process costs by reduced complexity of module manufacturing process
- Excellent electrical insulation properties

REFLECTANCE CURVE TROSIFOL® SOLAR R40 ULTRA WHITE



TROSIFOL® SOLAR R40 ULTRA WHITE

| Product | Colour | Thickness* [mm] | Roughness [μm] | Roll length [m] |
|-----------|-------------|-----------------|----------------|-----------------|
| SOLAR R40 | ultra white | 0.50 | 25 | 370 |
| SOLAR R40 | ultra white | 0.76 | 35 | 250 |

* Customised film thickness available on request

TECHNICAL DATA

| Properties | Unit | Test method | SOLAR R40 ULTRA WHITE |
|----------------------------------|-------------------|--------------|------------------------|
| Density | g/cm ³ | DIN 53479 | 1.160 |
| Refractive index | - | DIN 53491 | - |
| Tensile strength | N/mm ² | ISO 527 | > 23 |
| Elongation at break | % | ISO 527 | > 250 |
| Hardness | Shore A | - | 70 |
| Thermal conductivity | W/mK | DIN EN 12664 | 0.20 |
| Coefficient of thermal expansion | 1/K | ISO 11359-2 | 2.0 x 10 ⁻⁴ |
| Resistivity* | Ω x cm | IEC 60093 | 1 x 10 ¹⁴ |
| UV cut-off | nm | EN 410 | 375 |
| Visible light transmittance** | % | EN 410 | < 1 |
| Glass adhesion | N/mm ² | CSS*** | > 16 |

* At 0.5% H₂O content / 23 °C

** LSG made of 2 x 3 mm low-iron glass

*** Compressive shear strength

Further data available on request

kuraray

Kuraray Europe GmbH

Division TROSIFOL®

Mülheimer Straße 26

53840 Troisdorf

Germany

Phone: ++49 (0) 22 41/25 55 – 220

E-Mail: trosifol@kuraray.eu



In Preparation

WWW.TROSIFOL.COM

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