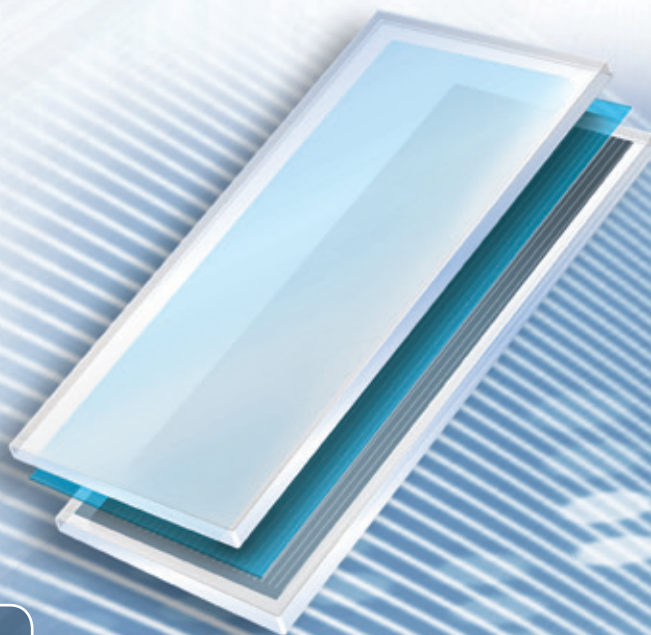


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SOLAR R40 ULTRA WHITE

ADVANCED PERFORMANCE WITH
ULTRA REFLECTIVE PVB FILM



PRODUCT INFORMATION

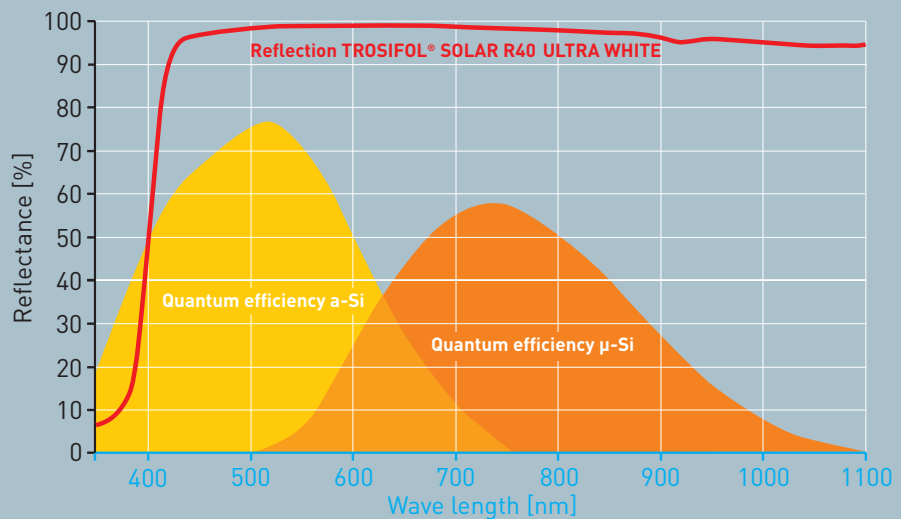
TROSIFOL[®]

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

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KURARAY
In Preparation

Kuraray Europe GmbH

Division TROSIFOL®

Mülheimer Straße 26

53840 Troisdorf

Germany

Phone: +49 (0) 22 41/25 55 – 220

E-Mail: trosifol@kuraray.eu

WWW.TROSIFOL.COM

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9/2011