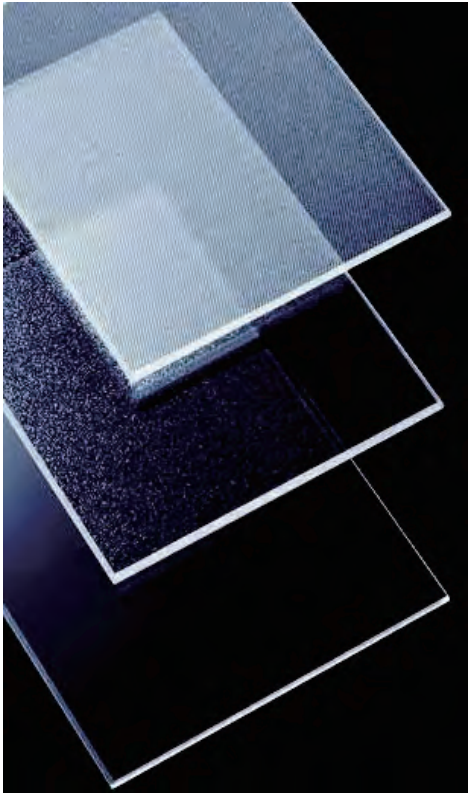


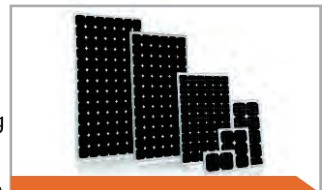
SOLAR GLASS



- The transmittance of our coated solar glass is over 94.5% !
- Proprietary 800℃ online coating technology.
- Anti-aging, acid-resistant, anti-fog, abrasion-resistant!
- solar glass is low-iron, rolled product formed with pattern on one surface. The pattern provides the desired obscurity while retaining high-transmission values.
- It is the best for making PV modules and solar flat collectors.

Application of our solar glass

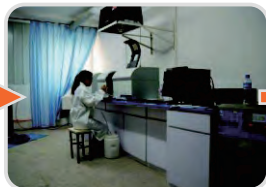
- Our coated solar glass can improve the output power of the solar module at least 3.5%.
- Solar modules that integrated our solar glass withstand high level of wind loads. (2400Pa) and snow loads (5400Pa).
- Anti-reflective, hydrophobic layer of solar module surface improves light absorption and reduces surface dust.
- Solar flat collector withstand high pressure-Bearing up to 0.9MPa.
- All our solar collector are with Coated PV Glass, the light transmittance rate reach 95%, which can guaranteeing 2-3% more overall yield compared to conventional collector.
- Anti-reflective, hydrophobic layer of solar module surface improves light absorption and reduces surface dust.



Production process of solar glass- Raw plate



Raw Material Crush



Material IQC



Melt



Roll



Cool down

Production process of solar glass- AR coating



Loading



Edging



Cleaning and Drying



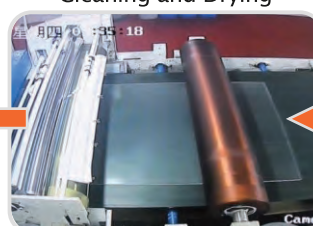
Dedusting



Tempering



Solidification



Coating



packaging

SOLAR GLASS

Basic information

Glass type	Super white, patterned. Rolled
Glass form	Raw, Tempered, AR coated, Back print, Hole drilling
Glass thickness	3.2mm, 2.0mm, 4.0mm, 2.5mm
Applicable size	1298 X 2500mm (210 solar cell) 1128 X 2500mm (182 solar cell) 1033 X 2500mm (166 solar cell) 996 X 2500mm (158.75 solar cell) 986 X 2500mm (157 solar cell)

OPTICAL PROPERTY

Reflectance	7.6%
Transmittance Rate of PV Glass	>91.6%
Transmittance Rate of ARC PV Glass	94.5%

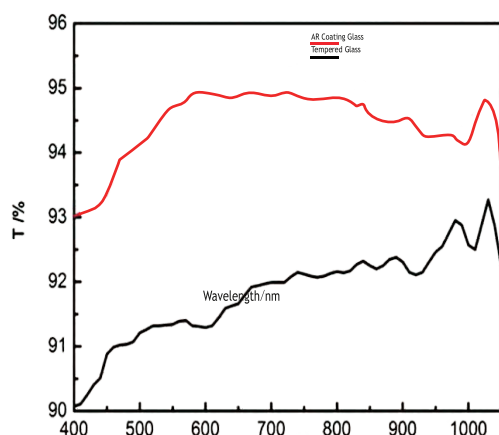
THERMAL PROPERTY

Expansion Co-efficiency Linear in the range of 20℃-300℃ Specific Heat	8.64X10 ⁻⁶ 0.2J / 0.2J / Kg.K
Calculated thermal conductivity at 20℃	1.0W/mK
Softening Point	743.3℃
Annealing point	577℃
Strain point	537.4℃

MECHANICAL PROPERTY

Mohs' (scratch)hardness	5
Knoop Harness number Indenter load-500g	470
Poisson's ratio	0.217
Density	2.4872g/cm ³
(Young's) Modulus of Elasticity	70.000N/mm ²
Tensile Strength	25N/mm ²
Compressive Strength	700-900N/mm ²
Mechanical strength	90N/mm ²

TRANSMITTANCE CURVE COMPARISON



QUALIFICATIONS AND CERTIFICATES

