Anti-Reflective Coated Solar Glass for Optimal Sunlight Absorption

Short Description:

1.Ultra high solar energy transmittance and low light reflectance;
2.Choice of patterns, to suit the specific application;
3.The pyramidal patterns can assist in the laminating process during module
manufacture, but can be used on the external surface if desired;
4.Prismatic/Matte product available with Anti-Reflective (AR) coating for
optimal solar energy conversion;
5.Available in fully tempered/toughened form to provide excellent strength with resistance to hail, mechanical impact and thermal stress;

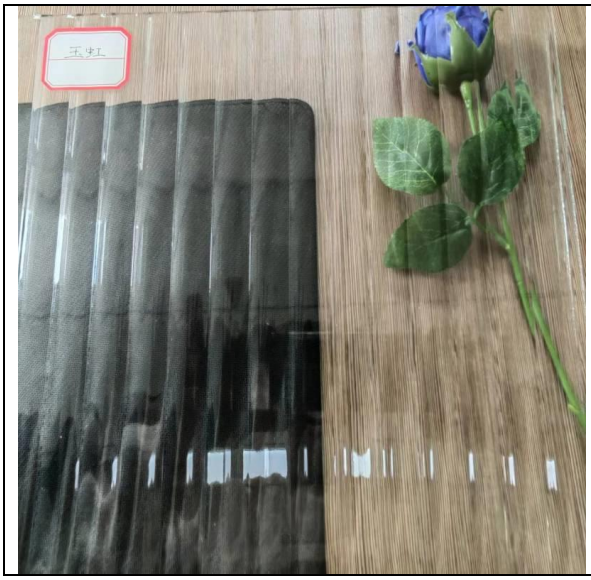
Description

Product	3.2mm solar module textured arc solar control glass
Raw material	Qualified low iron glass
Thickness	3.2mm, 4mm etc.
Sizes	The size can be customized according to your request.
Color	Extra Clear
Features	1.Ultra high solar energy transmittance and low light reflectance; 2.Choice of patterns, to suit the specific application; 3.The pyramidal patterns can assist in the laminating process during module manufacture, but can be used on the external surface if desired; 4.Prismatic/Matte product available with Anti-Reflective (AR) coating for optimal solar energy conversion; 5.Available in fully tempered/toughened form to provide excellent strength with resistance to hail, mechanical impact and thermal stress;
Application	Widely used as solar power generator, a-Si Thin Film Solar Cells, cover glass for Silicon Solar panel, solar collector, solar water heaters, BIPV etc.

Specifications

Product name	Tempered Low Iron Solar Glass
Surface	mistlite single pattern, the pattern shape can be made by your request.
Dimension Tolerance(mm)	±1.0
Surface Condition	Structured in same way on both sides acc. To technical requirement
Solar transmittance	over 93% ARC solar glass
Iron Content	100ppm
Poisson's ratio	0.2
Density	2.5g/cc
Young's Modulus	73GPa
Tensile strength	90N/mm2
Compressive Strength	700-900N/mm2
Expansion coefficient	9.03 x 10-6/
Softening point(C)	720
Annealing point(C)	550
Type	1. Ultra-Clear solar glass 2. UltraClear patterned solar glass (widely used), above 90% customers need this product. 3. Single AR coating solar glass

Super Clear Pattern Glass Low-iron clear Pattern



Short Description:

The surface of patterned glass is printed with unique patterns.
The main production process is roller method.
Patterned glass is a kind of opaque glass, but it will not block the light, and it also has a good protection for privacy.
Therefore, the concealment of patterned glass is used in toilets, partitions, glass windows and other places, which has strong decoration and practicality.

Description

Patterned(textured) glass is also a kind of glass, and there are different called such as "Patterned glass", “Embossed glass “or "Rolled glass", which is belong a kind of flat glass, it is made of flat glass by calendaring molding.
Meanwhile, It is with a transmittance in the optical characteristics of non-transparent and rich patterns.
It has the characteristics of good decoration and is widely used in various places.
Our common patterned glass patterns include Wooden , Rain-B pattern, Moru, Nashiji, Stripes, Karatachi ...all belong to patterned glass.

Application

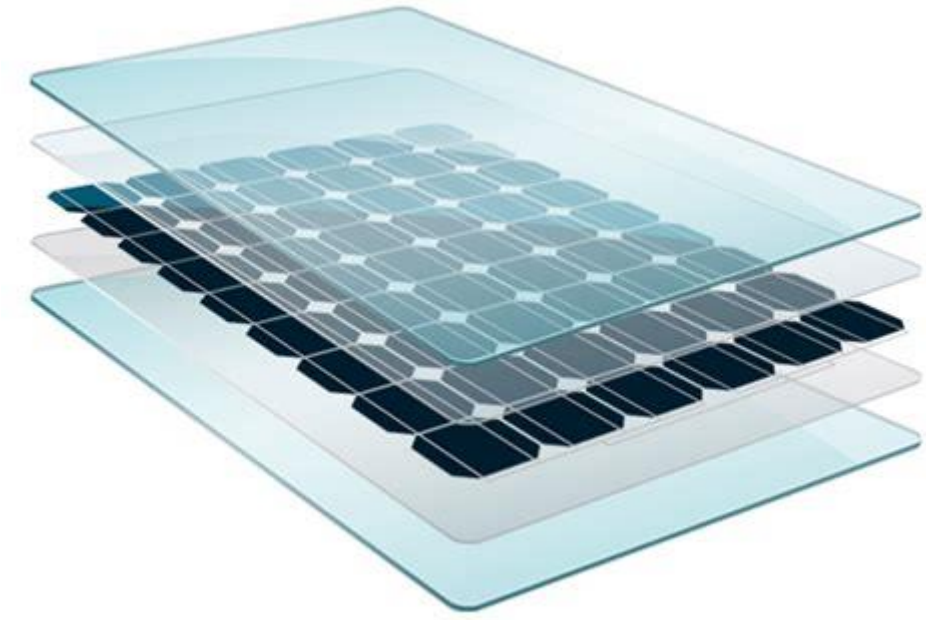
Indoor or building decorations:
"Laundry, Kitchen, Bathroom, Bedroom, Dining, Living Room, Gym, Hotel, Furniture, shower screen, door and window, interior glass partitions, balconies, glass shelving, kitchen fittings and work tops " etc.

Product	Pattern glass
Application	Decorative glass
Thickness	4mm or 5mm
Size	According to customer needs
Color	Clear , Ultra clear
Shape	Flat
Structure	Solid
Quality	Meet Europe and America market standrad
Delivery time	10-20days after receiving deposit

Low Iron Pattern/Textured Solar Cell Glass with AR Coating Technology in Various Thicknesses

	**Short Description:** Our solar cell glass is made of high quality low iron material for maximum solar transmittance. The glass is also tempered to provide exceptional strength and durability, making it ideal for use in a variety of solar applications such as crystalline silicon photovoltaic systems and solar thermal collectors. Choose our solar cell glass for superior performance and reliability.

Features



- Ultra-high solar transmittance and low light reflectance for superior energy efficiency.
- Choose a pattern to suit your specific application, including a pyramid pattern that can assist the lamination process during module fabrication.
- Prismatic/matte products with anti-reflective (AR) coating for optimal solar energy conversion.
- Fully tempered/toughened for exceptional strength and durability, resistant to hail, mechanical shock and thermal stress.
- Easy to cut, coat and temper and can be customized for any solar system.

Technical Data

Thickness: 2mm,2.5mm 3.2mm, 4mm,5mm
Max Size: 2400*1250mm,
Min Size: 300*300mm
Further process: cleaning, cutting, rough grinding, hole, etc.

Surface: mistlite single pattern, the pattern shape can be made by your request.
Visible Light Transmittance: 91.60%
Visible Light Reflectance: 7.30%
Solar Transmittance: over 91%(over 93% AR coating)

Solar Reflectance: 7.40%
UV Transmittance: 86.80%
Total Solar Heat Gain Coefficient: 92.20%
Shading Coefficient: 1.04%
Performance varied due to different thickness
Usage: It is widely used as solar power generator, water heater, solar modules.
Packing: Powder or paper interred between the glass; Packed by strong sea worthy wooden crates.

Specifications

Product name	Tempered Low Iron Solar Glass
Surface	mistlite single pattern, the pattern shape can be made by your request.
Dimension Tolerance(mm)	±1.0
Surface Condition	Structured in same way on both sides acc. To technical requirement
Solar transmittance	91.6%
Iron Content	100ppm
Poisson's ratio	0.2
Density	2.5g/cc
Young's Modulus	73GPa
Tensile strength	90N/mm2
Compressive Strength	700-900N/mm2
Expansion coefficient	9.03 x 10-6/
Softening point(C)	720
Annealing point(C)	550
Type	1. Ultra-Clear solar glass 2. UltraClear patterned solar glass (widely used), above 90% customers need this product. 3. Single AR coating solar glass

Low 2mm solar back double Glass white or black mesh for BIPV panel/bifacial solar panels

Short Description:

1). Smooth and flat surface and good vision
2). Excellent optical performance
3). Stable chemical properties
4) Resistant to acid, alkaline and corrosion.
5). Flexible size specifications, minimizing cutting loss
6). Substrata for each level of glass processing
7) . Applications: BIPV, furniture, mirrors.

Description

The solar back glass which mesh with the screen-printed technology on the glass face can improve the efficiency and reliability of solar modules. Making them more suitable for various applications, such as building integration BIPV solar, industrial applications, and outdoor solar power systems. It is an important part of the development of solar energy technology. We can custom this type of glass for you, either white or black mesh screen-printed on glass.

Technical Data

1.Thickness: 2.0mm~10mm;
2.Standard thickness: 2.0mm.3.2mm and 4.0mm 5.0mm
3.Thickness Tolerance: 3.2mm± 0.20mm; 4.0mm± 0.30mm
4.Max size: 2250mm× 3300mm
5.Min size: 300mm× 300mm
6.Solar Transmittance (3.2mm): ≥ 91.6%
7.Iron Content: ≤ 120ppm Fe2O3
8.Poisson's Ratio: 0.2

9.Density: 2.5 g/CC
10.Young's Modulus: 73 GPa
11.Tensile Strength: 42 MPa
12.Hemispherical Emissivity: 0.84
13.Expansion Coefficient: 9.03x10-6/° C
14.Softening Point: 720 ° C
15.Annealing Point: 550 ° C
16.Strain Point: 500 ° C

specifications

Terms	condition
Thickness range	2.0mm to 16mm(Standard thickness range:3.2mm and 4.0mm)
Thickness Tolerance	2.0mm 3.0mm±0.20mm
Solar Transmittance (3.2mm)	more than 85%
Iron Content	less than 120ppm Fe2O3

Density	2.5 g/cc
Youngs Modulus	73 GPa
Tensile Strength	42 MPa
Expansion Coefficient	9.03x10-6/
Annealing Point	550 centigrade degrees