

## **SGG 5mm light blue tempered glass- CE/ BS 6206 Standard Quality**

**5mm light blue tempered glass** is also called 5mm light blue toughened glass, 5mm light blue tempered glass, 5mm light blue toughened glass, etc. It's made of [5mm light blue float glass](#), produced by cutting the 5mm light blue float glass into customized size and cold treatment processing such as grinding edge or drilling holes, etc. And then let the glass pass into tempered furnace, which the temperature is nearly glass softening point of 700 degrees, then cooled rapidly. After being tempered, the glass sheets would be about 4~5 times harder than before. Compared to anneal glass, 5mm light blue tempered glass is more secure, because when it's broken, the glass sheet will become small particles with blunt edges. So that it can reduce the injury to people.

Please note that tempered glass can not be cut any more, even grinding edges, or other processing. Thus all design details of toughened glass must be confirmed before mass production. Like edge polishing, drilling holes, cut outs, etc.

### **Features:**

- 1.High Strength: Compared to 5mm light blue float glass, 5mm light blue tempered glass is 4~5 times harder. It can withstand heavier impacts, load heavier weight and has higher strength.
- 2.Heat Stability: 5mm light blue tempered glass can withstand a temperature range of 250°C to 320°C.
- 3.Transparency: 5mm light blue tempered glass can reduce 80% of the transmission of harmful ultraviolet radiation.
- 4.High Safety: When the breakage occurred, 5mm light blue tempered glass will become small cubic pieces, It can reduce the injury to people.
- 5.Deep process: 5mm light blue tempered glass can be processed to laminated glass, insulated glass.
- 6.All processing such as polishing edge, rounding corner, drilling holes, cutout, cutting notches, etc. must be finished before being tempered.

### **Applications:**

Tempered glass is defined as toughened glass that has been treated by heat or chemicals to increase its strength. Thus it has many benefits and uses which makes it a popular glass used in many home and commercial building projects.

1. 5mm light blue tempered glass can be made of windows, doors
2. 5mm light blue tempered glass can be used as table tops, table covering, glass shelves
3. 5mm light blue tempered glass can be used for Curtain wall, glass facade, railings, roof, balustrade, glass partition walls, balcony and so on.
4. 5mm light blue tempered glass can be processed to insulated glass and laminated glass.

### **Specifications:**

Sun Global Glass supply tempered glass with full range of colors, thickness and glass substrates.

Glass type: 5mm light blue tempered glass

Other name: 5mm blue tempered glass, 5mm light blue toughened glass, 5mm ford blue tempered glass, 5mm ford blue toughened glass, etc

Thickness: 5mm

Thickness range: 4mm, 5mm, 6mm, 8mm, 10mm

Size: customized size (minmum: 300mm x300mm, maximum: 3000X12000mm)

Color: clear, ultra clear, green, bronze, grey, frosted, printed colors

Glass processing services: polished edge, drill holes, round corner, cutout, cut notches, etc.

### **Quality:**

1. Conforms to the standards of Europe, North American and China: ISO, CCC, CE, BS6206, EN12510.
2. High strength and puer clean surface. Select 40% of high quality ford blue glass for tempering.
3. Excellent work on details: smooth edge polishing, drilling holes tolerance +/- 0.9mm
4. Strong wooden crates package.

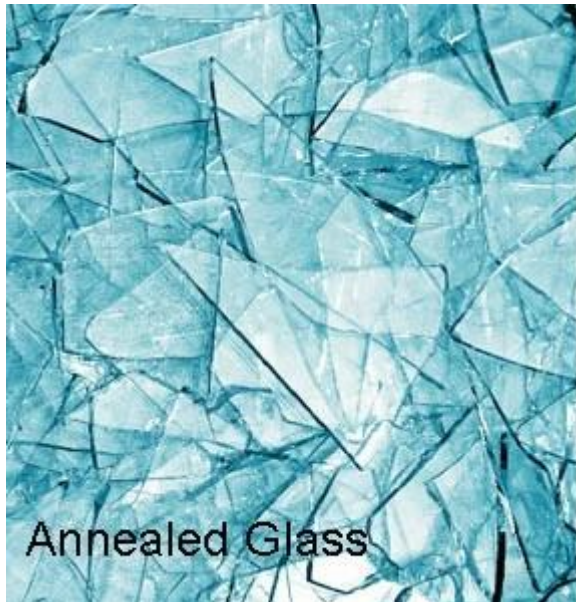
### **Product Details:**

**Product pictures of 5mm light blue tempered glass:**



### **Differences between Annealed Glass and Tempered Glass:**

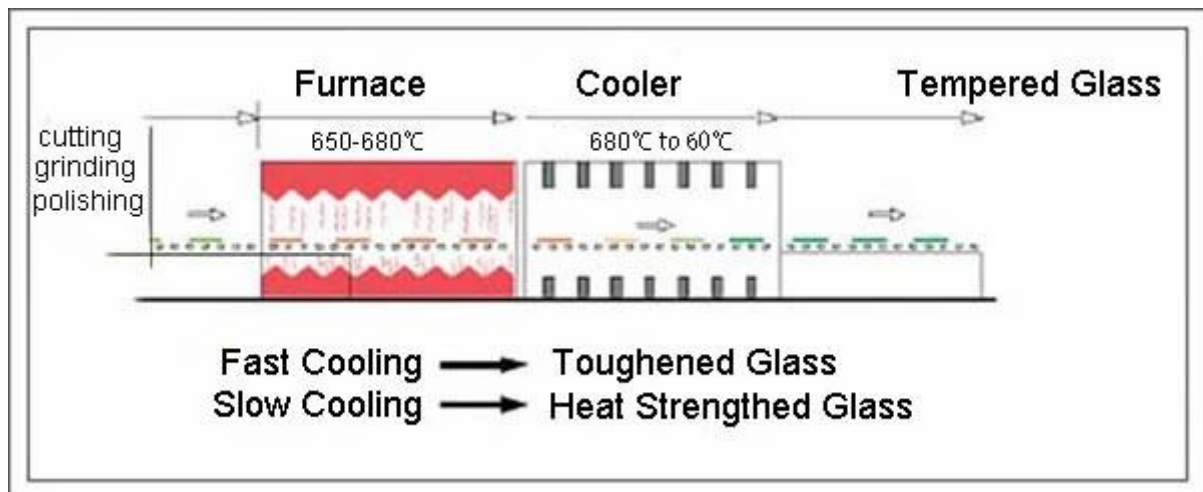
1. 5mm light blue tempered glass reduces the risk of injury due to its nature of breaking into small, circular pieces instead of sharp, jagged shards.
2. 5mm light blue tempered glass windows is easy to clean if they're broken.
3. 5mm light blue tempered glass is 5 times strength than [5mm light blue tinted glass](#).



### Holes and Cut outs:



### **Production Line:**







### Package and Loading:

