



## Clear Glass

Clear glass is a soda-lime silicate float glass product, intended to be used in residential and commercial applications alike. It's a versatile choice when specialty glass is not needed. It has the standard light green color. It's the type of glass used the most worldwide and the least expensive and can be use in almost any glass application. Such as double glazing, laminating, tempering, heat-strengthening, bending, coating.

**Country of Origin:** Turkey

**Manufacture:** Sisecam

**Meets Standards:** ASTM C1036-11  
EN 572-9

## Chemical Composition:

Silicon Dioxide (69% to 74%)  
Calcium Oxide (5% to 14%)  
Sodium Oxide (10% to 16%)  
Magnesium Oxide (0% to 6%)  
Aluminum Oxide (0% to 3%)  
Other (0% to 5%)

## Physical and Mechanical Properties

Characteristic	Symbol	Value and unit
Density (at 18°C)	$\rho$	2 500kg,m3
Knop hardness	Hk0.1/20	6 GPa
Young's modulus	E	7x1010 Pa
Poisson's ratio	$\mu$	0.2
Specific heat capacity	Cp	0,72 x 103J/(kg.k)
Nominal value of avg coefficient of linear expansion between 20 ° C and 300°	$\alpha$	9 x 10-6/K
Resistance against temperature differential and sudden temperature change	v40 Kb	
Thermal conductivity	$\lambda$	1 W / (m. K )
Mean refractive index to visible radiation (at 589,3nm)	n	1,5
Emissivity (corrected)	$\varepsilon$	0,837
Characteristic bending strength	Fg,kk	45 N/ mm2

## Glass Lite Tolerances (Stock Sheet Size)

Nominal Thickness	Thickness Tolerances	Dimension Tolerances
2.3 mm (3/32") - 6 mm (1/4")	±0.2mm	±4mm
8 mm (5/16") - 12 mm (1/2")	±0.3mm	±4mm
19 mm (3/4") - 25 mm (1")	±1.0mm	±5mm