



Gelivable®

Gelivable Anti-Glare Glass Technology(Shenzhen) Co.,Ltd

Anti-Glare Glass Chemical Composition and Characteristics

Chemical Composition:

Oxides	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
Wt. %	> 70.0	< 3.0	< 5.0	< 10.0	< 5.0	< 5.0	< 15.0

Characteristics:

1.0 Mechanical Properties

1.1	Poisson's Ratio	0.22
1.2	Young's Modulus	73.0GPa
1.3	Tensile Strength	41.4MPa
1.4	Density @ 21°C	2.4990g/cm ³
1.5	Moh's Scale Hardness	6
1.6	Knoop Hardness Number 500gm	470

2.0 Thermal Properties

2.1	Coeff.of Therm. Expansion 20-300°C	$8.5 \times 10^{-6}/^{\circ}\text{C}$
2.2	Specific Heat	850J/kg-K
2.3	Thermal Conductivity	1W/mm-K
2.4	Softening Point	720°C
2.5	Annealing Point	543°C
2.6	Strain Point	500°C

3.0 Optical Properties

3.1	Refractive Index	1.53
3.2	Transmission	> 87%

4.0 Electric Properties

4.1	Dielectric Constant measured @ 1MHz	5.7
4.2	Surface Resistivity	10^{-6} to 10^{-8} Ω/sq.