

# FLEXIBLE GLASS

Sodalime glass is a widely used glass material in various applications, such as Architecture, Automotive, Optics, Kitchenware, and Electronics.

## Technical Data

1). Mechanical Performance	
Thermal expansion coefficient @ (20~350) °C [x 10 <sup>-6</sup> /K]	8.5~9.0
Softening point °C	730 ±10
Strain point °C	505 ±10
Specific heat	0.2 cal/g - °C (0~50 °C)
Thermal conductivity (10 s kgf/cm <sup>2</sup> )	0.86 kcal / m.h. °C
Young modulus	7.5
Mohs hardness	Approx. 6.5
Poisson' s Ratio	0.23
2). Optical Property	
Refractive index Nd:	1.52
Transmittance spectrum curve	90% (400~700nm)
Refractivity	Perpendicular incidence: Approx. 8% One side reflectivity: Approx. 4%

Composition	Tolerance
SiO <sub>2</sub>	70~72%
Na <sub>2</sub> O + K <sub>2</sub> O	13~15%
CaO	8~12%
MgO	1~4%
Al <sub>2</sub> O <sub>3</sub>	1~2%
Fe <sub>2</sub> O <sub>3</sub>	0.07~0.15%