

BR500 : Borosilicate Glass

BR500 : Description

High temperature resistant, Borosilicate Glass Sheet Optical can work under 400°C continuously, and in short time can even work under 500°C

1. Corrosion resistant, Except hydrofluoric acid, Oil Level Sight Glass do not react with any acid and base except hydrofluoric acid (the stability is 30 times of the ceramic and 150 times of stainless steel).
2. Excellent thermal shock stability
3. High transmission to 85%
4. Electric insulation, it is 10000 times of usual glass.

Borosilicate Glass 3.3 Specification

Dimensions (mm)	Formats upon request
Available thickness (mm)	1.2 - 50
Density (g/cm ³) (at 25°C)	2.23±0.02
Co-efficient of expansion (α) (20-300°C)	3.3±0.1×10 ⁻⁶
Softening point (°C)	820±10
Identical temperature difference (K)	100 (100 degree Celsius = 373.15 kelvin) 300 (Strengthening type)
Thermal shock resistance (K)	≥125 (100 degree Celsius = 373.15 kelvin)
Maximum working temperature(°C)	≥ 450
Refractive (nd)	1.47384
Light transmission	92%(thickness≤4mm) 91%(thickness≥5mm)
Processing	pre-cut formats, edge processing, drilling, coating, semi-tempering, printing, etc.

Application :

Borosilicate Glass Sheet Optical is mainly used in electric light source, electrical appliances (electric), semiconductor, optical communications, military industry, metallurgy, building materials, chemical, machinery, electricity, environmental protection and other fields.

Common Size : φ50×10±1mm φ60×10±1mm φ70×10±1mm φ80×10±1mm φ95×12~13mm φ95×15~16mm φ100×15~16mm

φ100×18~20mm φ120×15~16mm φ120×18~20mm φ130×15~16mm φ130×18~20mm φ140×15~16mm φ140×18~20mm φ150×18~20mm

φ150×18~20mm φ160×18~20mm φ165×18~20mm φ180×18~20mm φ180×24~26mm φ200×18~20mm φ200×24~26mm and made to order

