

## PROPERTIES of BOROSILICATE

### MECHANICAL PROPERTIES

Density : 2.76 g/cm<sup>3</sup>

### THERMAL PROPERTIES

Softening Point : 844°C  
 Annealing Point : 593°C  
 Max Service Temperature : 639°C  
 Thermal Expansion Coefficient :  $46 \times 10^{-7} \text{ } ^\circ\text{C}^{-1} \text{ aT } 0...300^\circ\text{C}$

### ELECTRICAL PROPERTIES

Dielectric Constant at 1MHz a 20°C : 5.84

### OPTICAL PROPERTIES

Transmission (0.5mm thick) : 70% at 320nm  
 : 90% at 360nm  
 : > 90% at 380...2200nm  
 Refraction Index : 1.5440 at 435.8nm  
 : 1.5354 at 546.1nm  
 : 1.5311 at 643.8nm

### TRASMISSION CURVE

