**Appearance**
Sealing glass white colored in powder form.

**Chemical Composition**
Phosphorus oxide (P₂O₅)
Zinc oxide (ZnO)
Tin oxide (SnO)
Alumina (Al₂O₃)
Other oxides

**Physical Properties**
Specific Gravity 3.2 (g/cm³)
Glass Transition Temperature 339 ± 10 °C
Softening Temperature (Tₙ) 366 ± 10 °C
Coefficient of Thermal Expansion 9.5 x 10⁻⁶ /°C (50 - 300 °C)

**Recommended Firing Conditions**
Ramp to 550 - 600 °C and hold for 0.5 to 1 hour.
Heating or cooling rate: 3 to 10 °C/min

**Applications**
Operational Temperature: up to 500 °C

The typical application of GL1882 sealing glass is to seal ceramics and metals at high temperatures. Common applications of sealing glass include: solid oxide fuel cells (SOFCs), solar cells, sodium ion batteries, high-temperature sensors, and other sealing, bonding, or coating applications.