Appearance
Compliant (viscous) sealing glass white colored in powder form.

Chemical Composition (by weight)
- Boron oxide (B$_2$O$_3$) 33 - 43 %
- Barium oxide (BaO) 18 - 28 %
- Strontium oxide (SrO) 3 - 7 %
- Silica (SiO$_2$) 20 - 30 %
- Calcium oxide (CaO) 3 - 7 %
- Alumina (Al$_2$O$_3$) 2 - 6 %

Physical Properties
- Specific Gravity 3.2 (g/cm$^3$)
- Glass Transition Temperature 617 ± 10 °C
- Softening Temperature (T$_d$) 638 ± 10 °C
- Coefficient of Thermal Expansion 9.4 x 10$^{-6}$/°C (50 - 500 °C)

Recommended Firing Conditions
Ramp to between 850 and 900 °C and hold for 1 hour.
Heating or cooling rate: 3 to 10 °C/min

Applications
Operational Temperature: up to 900 °C

The typical application of GL1835 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.