



# Mo-Sci Specialty Products, L.L.C.

A Subsidiary of MO-SCI Corporation

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## GL1707 DATA SHEET

### Appearance

Compliant (viscous) sealing glass white colored in powder form

### Chemical Composition by Weight Percent (wt %)

Boron oxide (B <sub>2</sub> O <sub>3</sub> ).....	38.99 - 44.99
Barium oxide (BaO).....	31.62 - 35.62
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	9.18 - 12.18
Strontium oxide (SrO).....	4.68 - 6.68
Zinc oxide (ZnO) .....	3.46 - 5.46
Calcium oxide (CaO).....	2.07 - 4.07

### Physical Properties

Density.....	3.2 g/cm <sup>3</sup>
T <sub>g</sub> .....	553 ±10°C
T <sub>d</sub> .....	589 ±10°C
CTE <sub>50-500°C</sub> .....	8.0 x10 <sup>-6</sup> /°C

### Recommended Firing Conditions

Ramp to between 800°C and 850°C and hold for 2 to 4 hours

Heating/cooling rate: 3 to 10°C/minute

### Applications

To seal ceramics and metals