



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

A Subsidiary of MO-SCI Corporation

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## GL1728 DATA SHEET

### Appearance

Sealing glass light yellow colored in powder form

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

Bismuth oxide ( $\text{Bi}_2\text{O}_3$ ).....	11.27 - 15.27
Silver oxide ( $\text{Ag}_2\text{O}$ ).....	36.25 - 56.25
Phosphorous oxide ( $\text{P}_2\text{O}_5$ ) .....	30.48 - 50.48

### Physical Properties

Density.....	4.4 g/cm <sup>3</sup>
T <sub>g</sub> .....	213±10°C
T <sub>c</sub> .....	360±10°C
T <sub>d</sub> .....	230±10°C
CTE <sub>40-150°C</sub> .....	16.7 x10 <sup>-6</sup> /°C

### Recommended Firing Conditions

Ramp to between 250°C and 350°C and hold for 1 to 2 hours

Heating/cooling rate: 3 to 10°C/min

### Applications

To seal ceramics and metals