



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

A Subsidiary of MO-SCI Corporation

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GL1705 DATA SHEET

Appearance

Compliant (viscous) sealing glass gray colored in powder form

Chemical Composition by Weight Percent (wt %)

Boron oxide (B ₂ O ₃).....	34.37 - 45.62
Barium oxide (BaO).....	29.91 - 36.55
Alumina (Al ₂ O ₃).....	9.91 - 12.11
Strontium oxide (SrO).....	4.48 - 6.72
Zinc oxide (ZnO).....	3.52 - 5.28
Calcium oxide (CaO).....	2.42 - 3.64
Nickel oxide (NiO).....	0.66 - 0.98
Cobalt oxide (CoO).....	0.33 - 0.49

Physical Properties

Density.....	3.2 g/cm ³
T _g	563 ±10°C
T _d	598 ±10°C
CTE _{50-500°C}	8.0 x10 ⁻⁶ /°C

Recommended Firing Conditions

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

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

Applications

To seal ceramics and metals