



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

A Subsidiary of MO-SCI Corporation

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GL1681 DATA SHEET

Appearance

Compliant (viscous) sealing glass white colored in powder form

Chemical Composition by Weight Percent (wt %)

Boron oxide (B ₂ O ₃).....	32.37 - 39.57
Barium oxide (BaO).....	31.69 - 38.73
Silica (SiO ₂).....	13.5 - 17.5
Strontium oxide (SrO)...	4.76 - 7.14
Alumina (Al ₂ O ₃).....	4.68 - 7.02
Calcium oxide (CaO)....	2.58 - 3.86

Physical Properties

Density.....	3.2 g/cm ³
T _g	624 ±10°C
T _d	660 ±10°C
CTE _{50-500°C}	8.0 x 10 ⁻⁶ /°C

Recommended Firing Conditions

Ramp to 850°C and hold for 2 to 4 hours
Heating/cooling rate: 3 to 10°C/minute

Applications

To seal ceramics and metals