



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

A Subsidiary of MO-SCI Corporation

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GL1350 DATA SHEET

Appearance

Glass-ceramic sealing glass white colored in powder form

Chemical Composition by Weight Percent (wt %)

Silica (SiO ₂).....	32.22 - 38.22
Strontium oxide (SrO).....	24.63 - 28.63
Calcium oxide (CaO).....	12.98 - 16.98
Zinc oxide (ZnO)	12.95 - 16.95
Alumina (Al ₂ O ₃)	3.16 - 5.16
Titanium oxide (TiO ₂).....	1.2 - 3.2
Boron oxide (B ₂ O ₃).....	0.84 - 2.84

Physical Properties

Density.....	3.4 g/cm ³
T _g	700 ±10°C
T _c	856 ±10°C
T _d	730 ±10°C
CTE _{50-500°C}	9.5 x 10 ⁻⁶ /°C (as-cast glass)
CTE _{50-500°C}	10.0 x 10 ⁻⁶ /°C (crystallized)

Recommended Firing Conditions

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

Applications

To seal ceramics and metals