



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

A Subsidiary of MO-SCI Corporation

4040 HyPoint North

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GL1732 DATA SHEET

Appearance

Sealing glass white colored in powder form

Chemical Composition by Weight Percent (wt %)

Sodium oxide (Na ₂ O).....	3.58 - 5.58
Alumina (Al ₂ O ₃).....	0 - 2
Phosphorus oxide (P ₂ O ₅).....	66.52 - 72.52
Boron oxide (B ₂ O ₃).....	3.5 - 5.5
Lithium oxide (Li ₂ O ₃).....	1.21 - 3.21
Zinc oxide (ZnO).....	9.28 - 13.25
Potassium oxide (K ₂ O).....	5.96 - 7.96

Physical Properties

Density.....	2.6 g/ cm ³
T _g	330 ±10°C
T _d	370 ±10°C
CTE _{40-320°C}	16.0 x 10 ⁻⁶ /°C

Recommended Firing Conditions

Ramp to between 450°C and 500°C and hold for 1 to 2 hours

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

Applications

To seal metals and ceramics