



# MO-SCI Health Care, L.L.C.

A Subsidiary of MO-SCI Corporation

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## GL0160 DATA SHEET

### Appearance

45S5 bioactive glass with white color in powder form.

### Chemical Composition (by weight%)

Silica (SiO <sub>2</sub> ) .....	43-47%
Calcium oxide (CaO).....	22.5-26.5%
Phosphorous pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	5-7%
Sodium oxide (Na <sub>2</sub> O) .....	22.5-26.5%

### Heavy Metals (by ICP) (ASTM F1538 Spec)

As .....	< 3 ppm
Cd.....	< 5 ppm
Hg.....	< 5ppm
Pb.....	< 30 ppm
Total (as lead)...	<50 ppm

### Physical Properties

Specific Gravity.....	2.7 (g/cm <sup>3</sup> )
Softening Temperature .....	550°C
Melting Temperature.....	1300°C
Index of Refraction .....	1.55(n <sub>D</sub> )
Coefficient of Thermal Expansion...	16 x 10 <sup>-6</sup> /°C (30-300° C)

### Applications

Typical applications of GL0160 include: bone grafting biomaterials, repair of periodontal defects, cranial and maxillofacial repair, wound care, blood loss control, stimulation of vascular regeneration, nerve repair.