



# MO-SCI Specialty Products, L.L.C.

A Subsidiary of MO-SCI Corporation

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## GL-0175 DATA SHEET

### Appearance

Solid glass microspheres with light yellow color in powder form.

### Chemical Composition (by weight)

Silica (SiO <sub>2</sub> ) .....	1~20%
Boron oxide (B <sub>2</sub> O <sub>3</sub> ).....	1~20%
Zirconium oxide (ZrO <sub>2</sub> ) .....	1~10%
Barium oxide (BaO) .....	40~70%
Titanium oxide (TiO <sub>2</sub> ) .....	40~70%

### Physical Properties

Specific Gravity .....	4.2-4.5 (g/ cm <sup>3</sup> )
Bulk Density of Dry Beads.....	1.8 g per cm <sup>3</sup> (107 lbs/ft <sup>3</sup> )
pH in water @ 25°C .....	7.0
Softening Temperature .....	600°C
Index of Refraction .....	1.9 (n <sub>D</sub> )

### Size and quality

Size: >90 % within size range

Irregular particles: < 10%

Size availability: 45~350 μm microspheres are also available upon request

### Applications

Typical applications of GL0175 beads including: high temperature spacer material for gauge control, coating, filler for plastic, retroreflection applications and etc..