



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

A Subsidiary of MO-SCI Corporation

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GL-0186 DATA SHEET

Appearance

Solid clear borosilicate glass microspheres with white color in powder form.

Chemical Composition (by weight)

Silica (SiO ₂)	70~85%
Boron oxide (B ₂ O ₃)	10~15%
Sodium oxide (Na ₂ O)	5~10%
Alumium oxide (Al ₂ O ₃)	2~5%

Physical Properties

Specific Gravity	2.2 (g/cm ³)
Bulk Density of Dry Beads	1.2 g per cm ³ (71 lbs/ft ³)
pH in water @ 25°C	7.0
Softening Temperature	830°C
Index of Refraction	1.47-1.48(n _D)
Coefficient of Thermal Expansion...	32 x 10 ⁻⁷ /°C (30-300° C)

Size and Quality

Size: 125-150µm, >90 % within size range

Irregular particles: < 6%

Black particle: <0.002%

Size availability: 53~250 µm microspheres are also available upon request

Special treatment: Acid washed and annealed for surface cleanness and low resistivity

Applications

Typical applications of GL0186 beads including: calibration, high temperature spacer material for gauge control, coating, filler for plastic and etc..