



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

A Subsidiary of MO-SCI Corporation

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GL0175 DATA SHEET

Appearance

Solid Barium Titanate glass microspheres with light yellow color in powder form.

Chemical Composition (by weight)

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

Physical Properties

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

Applications

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