



Britesphere 247

Opta Minerals your source for Construction Products:

- Barco Silica Sand
- Barco Sand 55
- Bentonite Clay
- Britesphere Road Beads
- Britesphere 247
- Britesphere 247 Lite
- Britesphere OPSS 1750
- Coloured Sand
- Golf Sands
- Temisca Silica

Contact Us

Our sales team is ready to help you to determine the right product for your job.

For more information please call us:
 Toll-free: 888-689-6661
 Tel: 519-720-9694
 E-mail: info@optaminerals.com
 Visit: www.optaminerals.com

Britesphere 247 meets or exceeds AASHTO 247 specification for pavement marking beads. Britesphere 247 beads are transparent, clean, colorless glass, smooth and spherically shaped, free from milkiness, pits, or excessive air bubbles. Britesphere 247 beads do not exhibit characteristics of toxicity, relative to heavy metals, when tested in accordance with EPA No 40, CFR 261.24.

Britesphere 247 also meets the gradation requirements as specified by AASHTO 247 and FP-03 for large beads, as illustrated in the following table:

Sieve		Mass Percent Passing			
Mesh	Micron	Type I	Type IM	Type II	Type 4
10	2000	-	-	-	100
12	1700	-	-	-	95-100
14	1400	-	-	-	80-95
16	1180	100	100	-	10-40
18	1000	-	-	-	0-5
20	850	90-100	90-97	-	0-2
30	600	75-95	50-75	100	-
40	425	-	15-45	90-100	-
50	300	15-35	0-15	50-75	-
80	177	-	0-5	0-5	-
100	150	0-5	-	-	-

The AASHTO 247 specification adheres to the following standards for testing:

ASTM Standards

- D 75 Standard practice for sampling aggregates
- D 1214 Test method of Sieve Analysis of Glass Spheres
- D 1155 Test method for roundness of glass spheres
- D 1213 Test method for Crushing Resistance of glass spheres
- E 105 Standard practice for probability sampling of materials
- E 1617 Standard practice for reporting particle size characterization data

Federal Standards

No 40, CFR 261.24 Maximum concentration of contaminants for toxicity characteristic.

ADVANTAGES OF BRITESPHERE 247

- No characteristics of toxicity
- Exceeds min. 75% roundness

ADVANTAGES OF BRITESPHERE 247

- All Britesphere road marking beads (Type I, II, III and IV) are available in:
- Non- coated
- Silicone coated
- Silane coated
- Silicone/Silane (dual) coated

ADVANTAGES OF BRITESPHERE 247

- Refractive index ≥ 1.503
- Consistent quality to guarantee excellent retro-reflective performance
- All Britesphere Glass Beads for Road Marking paints are manufactured and tested according to ASTM Specifications

CHARACTERISTICS

Colour:	Colourless and transparent, no visible bubbles and impurities.
Density	2.4 – 2.6 g/cm ³
Grain Shape	Spherical bead, guaranteed 75% roundness, actual Average 85%
Refractive Index	≥ 1.50

PACKAGING

55 lb paper bags, 2200 lb (40 bags) Super Sacs
Custom screened and larger sizes available upon request.