

Manufacturer: ÅngströmSphere®
Product Name: ÅngströmSphere® Silica Microspheres, 3.00um (1Kg)
Manufacturer Part Number: SIOP300-01-1KG

▶ Click here for more details on the ÅngströmSphere® Silica Microspheres, 3.00um (1Kg)

ÅngströmSphere™ silica spheres
Uniform Micron-Sized Silica Spheres Uniform Micron-Sized Silica Spheres

Specifications

Shape:

- Perfectly spherical

Size Range Capability:

- 0.1um to 2um, 4um and 8um

Size Distribution

- Particle Size Standard Deviation <10%

Forms supplied:

- Dry Form, In Dispersions of Water or Alcohols and others

Standard Powder Description:

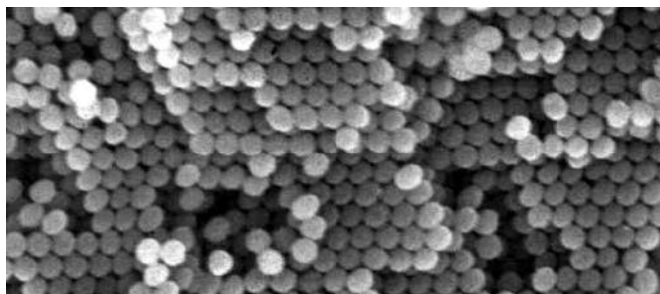
- Selected from standard sizes listed above
- Supplied in dry form with no surface modification

Custom Synthesis

- Special sizes, Surface modifications

Applications

- Filler for High Performance polymeric systems
- Antislip agent for plastic film production
- Nanocomposite filler
- Ceramic and glass forming applications
- Biomedical applications
- Chemical Mechanical Polishing (CMP)
- Particle size standards
- LCD spacers
- Light diffusers
- Chromatography
- Photonic crystals and synthetic opals
- Research and development



SEM photograph of ÅNGSTRÖMSPHERE™ uniform silica spheres

Physical Properties

- | | |
|-----------------------|---------------------------|
| • Density | Non Porous ~ 1.8 grams/cc |
| • Structure | Amorphous |
| • Purity | >99.9% |
| • Alpha Emitters | Very Low |
| • Dielectric Constant | ≤ 3.8 |
| • CTE | 0.6ppm/°C |
| • Refractive Index | ~1.38 – 1.46 |
| • Surface Area | ~2-6 m2/g |
| • Melting Point | 1840 °C |
| • Softening Point | 1600 °C |

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Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Product specifications and data are subject to change without notice.