



Applied Physics, Inc.

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Nano Particle Technology

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Silica Particles, SiO₂ Particles



We provide the highest purity of silica particles available at 99.997% pure in commercial quantities with the narrowest peak size distribution of $\leq 1\%$. We are able to provide particles of any size from 200 nanometers to 2,000 nanometers in bulk, dry Silica particles to customer specifications; or provide SiO₂ particles in 15ml bottles with 10% concentration in DI (distilled) Water Solution.

Applications include uses in liquid chromatography, optical lens polishing, CMP (chemical mechanical planarization) slurries and consumables, CMP polishing pads, solar cell manufacturing, mesoporous silica nanoparticles (MSN)

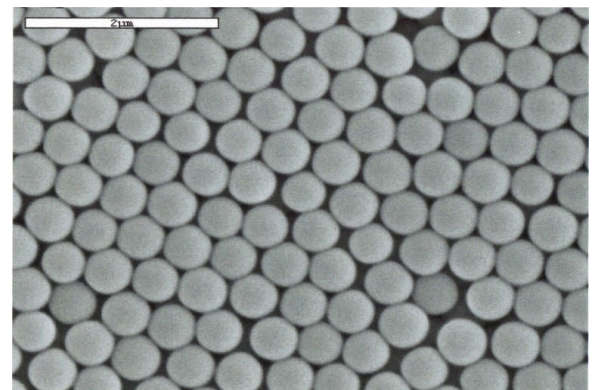
Benefits

- High Size Repeatability form Batch to Batch
- <1% Peak Distribution Width
- 20nm to 2.0 μ m Size Availability
- Ultra-High Size Purity of 99.997%
- Dry Silica in 1 Kg Bulk Increments
- SiO₂ Particles, 15ml Di Water Solution, 10% concentration



Industries

- High Pressure, Liquid Chromatography
- Nano-Composites
- Optical Lens, Precision Polishing
- Pharmaceutical Drug Delivery and mesoporous silica nanoparticles (MSN)
- CMP Silicon Wafer Polishing
- Thin Film, Solar Cell Manufacturing



0.5 μ m Silica Particles