

News Letter



Three new products derived from Nikon's state-of-the-art technology

New, unique synthetic silica glass, with high shape flexibility and the ability to produce lenses without polishing

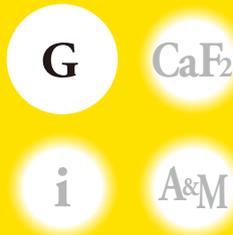
Nikon has accumulated cutting edge optical technology and abundant know-how through the development of its cameras and semiconductor lithography systems. This is an announcement that Nikon will launch a new unique synthetic silica glass, manufactured by its proprietary method and making the most of its technology.

This new synthetic silica glass has three features. Firstly, its high shape flexibility can respond to a wide range of curvature factors, from hemispherical lenses to flat plates. Aspheric surfaces and complicated shapes will also be available. Secondly, its capability to form any shape without polishing can contribute to the shortening of the production process and cost reductions to the customer. Thirdly, the synthetic silica glass has superior optical properties in addition to existing properties, and high transmittance at short wavelengths, enabling its use over a wide range of wavelengths.

Utilizing these features, the new synthetic silica glass covers a broad range of applications, including lenses and windows for UV LEDs, objective lenses, lenses for optical fiber communications, and lenses and windows for various optical applications. Please feel free to inquire about detailed specifications.



Φ3 mm spherical lens, non-polished



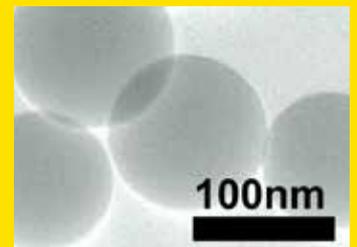
TOPICS

NOW developing transparent, scratch-resistant and flexible sapphire substrates!

Spherical, ultra pure "Silica nano particle" with high particle size uniformity

Another new product is the "Silica nano particle," utilizing synthetic silica glass manufacturing technology cultivated by Nikon. This is a solid spherical silica particle (SiO₂) with high uniformity, about 100 nm in diameter. In addition, it is an ultra-pure nano particle with reduced impurities in the manufacturing process. Therefore, the silica nano particle will satisfy customers who seek high quality in both particle diameter and purity.

Nikon's silica nano particle can be applied to additives such as sealing materials and toners, and can also be used for sintering agents, thermal spray materials, cosmetics, reagents and other new applications. Please contact us with your estimated specifications.



Spherical silica nano particles