

The Global Market for Silicon dioxide nanoparticles/powders (Nanosilica)

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Abstracts

Silicon dioxide nanoparticles/powders (Si-NPs) also known as silica nanoparticles or nano-silica are inorganic engineered materials ranging in size from 1 to 100 nm.

They have unique characteristics including:

high surface area;

high pore volume;

tunable pore size;

excellent biocompatibility;

ability to encapsulate hydrophilic as well as hydrophobic materials;

low production costs;

scalable synthetic availability.

Applications of Si-NPs include fillers for composites and rubber, absorbents, catalysts, advanced coating additives, toners and inorganic carriers in biomedicine, cosmetics and the food industry

Report contents include:

Market drivers and trends.

Properties and synthesis methods.

Market segment analysis. Markets covered include adhesives, biomedicine, catalysts, cement, coatings, composites, rubber, electronics, lubricants, food additives, cosmetics, printer toners, batteries and supercapacitors.

Global market structure.

Global regulations and safety.

Price and price drivers.

Market consumption of Silicon dioxide (TiO₂) nanoparticles/powders, total, by market and by region.

Profiles of 49 Silicon dioxide (TiO₂) nanoparticles/powders producers and suppliers. Companies profiled include US Research Nanomaterials, Inc., Fuso Chemical Co., Ltd., Dupont, Evonik, Elkem ASA, Sinopharm Chemical Reagent Co., Ltd., American Elements and more.

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