

Global Nano silica Market Size study, by product Type (P-Type, S-Type, Type-III), Application (Rubber, Coatings, Plastics, Concrete, Gypsum, Battery, Electronics, Agriculture, Cosmetics, Others) and Regional Forecasts 2021-2027

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Abstracts

Global Nano silica Market is valued approximately USD 3664.89 million in 2020 and is anticipated to grow with a healthy growth rate of more than 7 % over the forecast period 2021-2027. Silicon dioxide nanoparticles, also known as silica nanoparticles or nano-silica, are the basis for a great deal of biomedical research due to their stability, low toxicity and ability to be functionalized with a range of molecules and polymers. SNPs are produced on an industrial scale as additives to cosmetics, drugs, printer toners, varnishes, and food. In addition, nanosilica is being developed for a host of biomedical and biotechnological applications such as cancer therapy, DNA transfection, drug delivery, and enzyme immobilization. The increasing investments in urgent care, increasing geriatric population and strategic development between hospitals and urgent care providers, growing electronic and construction industry has led the adoption of Nano silica across the forecast period. In the construction industry, it is used as an additive in the concrete mixture to gain strength and reduce adverse environment impact. For instance, as per IBEF Sale of cement in India stood at Rs 63,771 crore (US\$ 9.05 billion) in FY20. As per Sustainable Concrete Report UK's National Infrastructure and Construction Pipeline for 2017 projects \$600bn of public and private investment over the next 10 years. However, price fluctuation of raw materials and complexity of manufacturing process impedes the growth of the market over the forecast period of 2021-2027. Also, growing demand for nano-fertilizers in agriculture has led the adoption & demand for Nano silica which is likely to increase the market growth during the forecast period.

In the regional analysis of global Nano silica market certain regions are taken into consideration such as Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe is a significant region across the world in terms of market share owing to the rising investment in the research and development and growing cosmetics industry. Whereas, Asia-Pacific is anticipated to exhibit the highest growth rate over the forecast period 2021-2027. Factors such as rising population, income, emerging economies in the region led the lucrative growth prospects for the Nano silica market across Asia-Pacific region.

Major market player included in this report are:

Evonik Industries

AkzoNobel N.V.

E. I. du Pont de Nemours and Company

Cabot Corporation

NanoPore Incorporated

Nanostructured & Amorphous Materials, Inc. (NanoAmor)

Fuso Chemical Co. Ltd.

Wacker Chemie AG

Dow Corning Corporation

Bee Chems

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

P-Type

S-Type

Type-III

By Application:

Rubber

Coatings

Plastics

Concrete

Gypsum
Battery
Electronics
Agriculture
Cosmetics
Others
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Nano silica Market in Market Study:

Key Consulting Companies & Advisors

Global Nano silica Market Size study, by product Type (P-Type, S-Type, Type-III), Application (Rubber, Coating...

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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