

Precipitated Silica Market Research Report Information By Grade (Rubber Grade, Food Grade, Non-Rubber Grade, Return Flow Control Drilling (RFCD), By Application (Additive, Free-Flow and Carrying Agents, Thickening Agents, Anti-Caking Agents, Others), By End-Use Industry (Rubber Industry, Food & Feed, Automotive, Paints & Coatings, Personal Care & Cosmetics, Others) and By Region - Global Forecast to 2030

Market Report | 2024-08-28 | 174 pages | Market Research Future

AVAILABLE LICENSES:

- Single User Price \$4950.00
- Enterprisewide Price \$7250.00

Report description:

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Market Synopsis

The precipitated silica industry is predicted to display a compound annual growth rate (CAGR) of 3.9% during the forecast period. Precipitated silica is frequently utilized in the rubber sector, especially in creating tires & belts. Precipitated silica can give stronger rip strength and abrasion resistance than certain other materials. Rubber and rice rollers use precipitated silica to promote abrasion resistance, stiffness, and tear resistance.

It functions as a reinforcing agent and delivers better tensile strength, durability, and lifespan. Therefore, the worldwide precipitated silica market has high potential of growth within the following decade. It is also utilized in shoe soles due to its capabilities like resistance to wear and to ripping, its non-scuffing characteristics and to obtain compounds with light color or even transparent materials. Provides enhanced durability and robustness and increased modulus. Additionally, it improves tear strength due to its small particle size and complex aggregate structure for Conveyor Belt & Transmission belt.

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The rising utilization of silica sand for glass manufacture is related to its excellent thermal shock resilience and low coefficient of thermal expansion, which prevents any change in the materials due to a fast change in temperature. It is made of silicon dioxide (SiO₂), which forms the glass's base when it is melted at high temperatures. The purity and consistency of the silica sand are crucial to ensuring that the finished glass product has desirable properties such as transparency, strength, and durability. Silica sand is the basic component of all regular and specialized glasses

According to the Global Cement and Concrete Association, assuming current construction practises, the overall demand for concrete is anticipated to climb from 14.0 billion m³, in 2021 to about 20 billion m³ in 2050. Hence with the growing demand for concrete the silica sand market is also predicted to rise as silica is a primary element for building concrete. Ground Silica works as a functional extender, giving durability and anti-corrosion qualities. It works like magic on epoxy-based compounds, sealants, and caulks. Whole grain silica sand is utilized in flooring compounds, mortar, cement, stucco, roofing shingles, and asphalt mixes.

Insights on Market Segments

The Precipitated Silica Market has been categorized into rubber grade, food grade, and non-rubber grade.

Based on Application, the Precipitated Silica market has been divided into additive, free flow & carrying agents, thickening agents, anti-caking agents, and others.

Based on End-Use Industry, the Precipitated Silica market has been categorized into the rubber industry, food & feed, automotive, paints & coatings, personal care & cosmetics, and others.

Regional Perspectives

By region, the global market is split into North America, Europe, Latin America, Asia Pacific, Middle East & Africa. Among these, Asia-Pacific dominated the market with a share of 49.4%, accounting for USD 1,209.61 Million in 2021; it is predicted to post the highest CAGR of 9.15% from 2022 to 2030. North America was the second largest with a share of 21.4% in 2021, sized at USD 523.74 million; it is anticipated to demonstrate a CAGR of 7.84%.

Key Players

Key Companies in the Precipitated Silica Market includes Ppg Industries, Inc., Industrias Quimicas Del Ebro Sa, Evonik Industries Ag, Tata Chemicals Ltd., Antenchem Co., Ltd., Solvay Sa, Pq Corporation, Oriental Silica Corporation, Tosoh Silica Corporation, and Madhu Silica Pvt. Ltd.

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