

# Global Solid Sulfur Silane Coupling Agent Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Solid Sulfur Silane Coupling Agent market size is expected to reach \$ 420 million by 2032, rising at a market growth of 5.3% CAGR during the forecast period (2026-2032).

Solid sulfur-containing silane coupling agents are a class of solid silane products formed by combining silane functional groups ( $-\text{Si}(\text{OR})_2$ ) with polysulfide chains ( $-\text{S}_n-$ ) and adsorbing or coating them onto solid supports (such as silica, carbon black, silica gel, and inorganic powders). Their core structure is the same as liquid sulfur silanes, but they exist in powder or granular form, typically comprising 20–70% of the product. Solid sulfur-containing silane coupling agents are a 'safe, low-odor, and easy-to-process' alternative to liquid silanes, significantly improving the bonding performance between rubber and silica while reducing production risks and environmental impact. The average price of this product is approximately US\$2,800 per ton, with global sales of approximately 101,000 tons.

The upstream of solid sulfur-containing silane coupling agents mainly includes silane intermediates (such as triethoxychlorosilane), sulfur, and inorganic carriers (fumed silica, silicates). Among these, the price fluctuation of fumed silica (affected by energy costs) is a key cost factor. Downstream sectors are concentrated in the tire industry (accounting for approximately 65%), rubber products, automotive parts, and composite materials. With the advancement of global green tire regulations, the trend of fumed silica replacing carbon black is accelerating. Solid silanes, due to their advantages of low VOCs, low odor, high safety, and ease of storage and transportation, are rapidly increasing their penetration rate in newly built tire factories in Southeast Asia (Indonesia, Thailand, and Vietnam). Future industry competition will shift from 'price competition' to comprehensive competitiveness based on 'environmental performance,

reaction efficiency, and dispersibility.' Solid products will continue to expand their market share in small and medium-sized rubber factories and regions with strict environmental requirements.

This report studies the global Solid Sulfur Silane Coupling Agent production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Solid Sulfur Silane Coupling Agent and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Solid Sulfur Silane Coupling Agent that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Solid Sulfur Silane Coupling Agent total production and demand, 2021-2032, (Kilotons)

Global Solid Sulfur Silane Coupling Agent total production value, 2021-2032, (USD Million)

Global Solid Sulfur Silane Coupling Agent production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Solid Sulfur Silane Coupling Agent consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Solid Sulfur Silane Coupling Agent domestic production, consumption, key domestic manufacturers and share

Global Solid Sulfur Silane Coupling Agent production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Solid Sulfur Silane Coupling Agent production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Solid Sulfur Silane Coupling Agent production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Solid Sulfur Silane Coupling Agent market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dow, Shin-Etsu, Momentive, Wacker, Ecopower, Shuguang, HP Chemical, Hubei Jiangnan New Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Solid Sulfur Silane Coupling Agent market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### **Global Solid Sulfur Silane Coupling Agent Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### **Global Solid Sulfur Silane Coupling Agent Market, Segmentation by Type:**

Granule

Powder

### **Global Solid Sulfur Silane Coupling Agent Market, Segmentation by Sulfur Chain Length**

(S?):

Disulfide (S?)

Trisulfide (S?)

Tetrasulfide (S?)

Others

Global Solid Sulfur Silane Coupling Agent Market, Segmentation by Carrier Type:

Silica Carrier

Carbon Black Carrier

Others

Global Solid Sulfur Silane Coupling Agent Market, Segmentation by Application:

Rubber Products

Adhesives and Sealants

Composite Material

Tire Industry

Others

Companies Profiled:

Dow

Shin-Etsu

Momentive

Wacker

Ecopower

Shuguang

HP Chemical

Hubei Jiangnan New Materials

**Key Questions Answered:**

1. How big is the global Solid Sulfur Silane Coupling Agent market?
2. What is the demand of the global Solid Sulfur Silane Coupling Agent market?
3. What is the year over year growth of the global Solid Sulfur Silane Coupling Agent market?
4. What is the production and production value of the global Solid Sulfur Silane Coupling Agent market?
5. Who are the key producers in the global Solid Sulfur Silane Coupling Agent market?
6. What are the growth factors driving the market demand?

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