

# Global So-gel Method Amorphous Silica-Alumina (ASA) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global So-gel Method Amorphous Silica-Alumina (ASA) market size was valued at US\$ 63.1 million in 2024 and is forecast to a readjusted size of USD 95.7 million by 2031 with a CAGR of 6.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Amorphous silica-alumina is a synthetic substance that is used as a catalyst or catalyst support. It can be prepared in a number of ways for example: Precipitation of hydrous alumina onto amorphous silica hydrogel. Reacting a silica sol with an alumina sol. Coprecipitation from sodium silicate / aluminium salt solution, etc. Amorphous silica-aluminas can be prepared by the sol-gel method using organic templates such as carboxylic acid and the gel skeletal reinforcement method.

Catalysis plays a very important role in the oil refining and petrochemical industry for the upgrading of hydrocarbons streams to modern transportation fuels. Amorphous silica-alumina (ASA) is widely used as a solid acid catalyst in various chemical reactions including hydrocracking, isomerization, and alkylation, which are important in the oil refining and petrochemical industry.

Amorphous Silica-alumina is a high technical barrier market with limited suppliers. Market concentration is high. The top 3 players are Sasol, W.R. Grace, Albemarle and Sasol.

Globally, production of Amorphous Silica-alumina is concentrated in USA, Europe, etc. while consumption of Amorphous Silica-alumina is widely spread in global market. The market in emerging countries, like China, Southeast Asia and Middle East is projected to be new growing point, while market in Europe is more modest in terms of stable light oil demand in European countries.

The sol-gel method is an important material preparation method with the advantages of simple process, high material purity and controllable performance. This method also shows broad application prospects in the preparation of amorphous silica-alumina composite materials. With the advancement of science and technology and the development of industry, the demand for amorphous silica-alumina composite materials in the fields of catalysts, refractory materials, electronic packaging, etc. has continued to grow, which has promoted the continuous research and development and market expansion of sol-gel preparation technology.

#### Market development trends and prospects

In the future, the market for the preparation of amorphous silica-alumina by sol-gel method will show the following development trends:

**Technological innovation and upgrading:** With the continuous advancement and innovation of preparation technology, the performance of amorphous silica-alumina composite materials will be further improved, and the application field will continue to expand.

**Market demand growth:** With the rapid development of downstream application fields and the growth of demand, the scale of this market is expected to continue to expand.

**Changes in the competitive landscape:** With the continuous development of the market, the competitive landscape will also change. Some companies with technical strength and market competitiveness will gradually stand out and become the market leaders.

This report is a detailed and comprehensive analysis for global So-gel Method Amorphous Silica-Alumina (ASA) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with

market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global So-gel Method Amorphous Silica-Alumina (ASA) market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global So-gel Method Amorphous Silica-Alumina (ASA) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global So-gel Method Amorphous Silica-Alumina (ASA) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global So-gel Method Amorphous Silica-Alumina (ASA) market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for So-gel Method Amorphous Silica-Alumina (ASA)
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global So-gel Method Amorphous Silica-Alumina (ASA) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sasol, W.R. Grace, BASF, Albemarle, JGC C and C, etc.

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

### **Market Segmentation**

So-gel Method Amorphous Silica-Alumina (ASA) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms

of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### **Market segment by Type**

Powder

Granules

Tablets

Other

### **Market segment by Application**

Diesel Hydrotreat

Lube Oils

Naphtha

Residue Upgrading

Others

### **Major players covered**

Sasol

W.R. Grace

BASF

Albemarle

JGC C and C

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe So-gel Method Amorphous Silica-Alumina (ASA) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of So-gel Method Amorphous Silica-Alumina (ASA), with price, sales quantity, revenue, and global market share of So-gel Method Amorphous Silica-Alumina (ASA) from 2020 to 2025.

Chapter 3, the So-gel Method Amorphous Silica-Alumina (ASA) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the So-gel Method Amorphous Silica-Alumina (ASA) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and So-gel Method Amorphous Silica-Alumina (ASA) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of So-gel Method Amorphous Silica-Alumina (ASA).

Chapter 14 and 15, to describe So-gel Method Amorphous Silica-Alumina (ASA) sales channel, distributors, customers, research findings and conclusion.

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