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Global Dry Gel Conversion Precursor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Dry Gel Conversion Precursor market size was valued at US$ 611 million in 2025 and is forecast to a readjusted size of US$ 888 million by 2032 with a CAGR of 5.5% during review period.

Dry Gel Conversion precursor refers to a semi-solid or dry-state synthesis intermediate—typically composed of silica, alumina, structure-directing agents (SDAs), and inorganic salts—used in the production of crystalline materials such as zeolites or molecular sieves via the dry gel conversion method. In this process, the precursor is first prepared as a dried gel with controlled composition and porosity, then subjected to steam-assisted crystallization in an autoclave, enabling phase transformation into a well-defined crystalline framework without bulk liquid solvent. The supply chain of DGC precursors begins with upstream raw materials such as silicon sources (e.g., sodium silicate, TEOS), aluminum sources (e.g., aluminum isopropoxide), organic templates, and mineralizers, supplied by chemical companies; midstream involves formulation, aging, drying, and granulation of the gel precursor by specialty material or catalyst manufacturers; downstream, these precursors are converted into zeolites or advanced porous materials used in petrochemical catalysis, adsorption/separation, environmental remediation, and fine chemical synthesis industries, with strong integration between precursor suppliers and catalyst or adsorbent producers to ensure precise composition and crystallization performance. In 2025, global Dry Gel Conversion Precursor output was about 750,000 tons with 950,000 tons of capacity, average prices of USD 700–1,500 per ton, and gross margins around 22%.

This report is a detailed and comprehensive analysis for global Dry Gel Conversion Precursor market. Both quantitative and qualitative analyses are presented by

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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 Dry Gel Conversion Precursor market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Dry Gel Conversion Precursor market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Dry Gel Conversion Precursor market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Dry Gel Conversion Precursor market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 2021-2026

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 Dry Gel Conversion Precursor

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 Dry Gel Conversion Precursor 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 BASF (Germany), W.R. Grace (USA), Honeywell (USA), Clariant (Switzerland), Tosoh (Japan), Arkema (France), Zeochem (Switzerland), Zeolyst (Netherlands), Sinopec Catalyst (China), Jalon New Materials

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(China), etc.

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

Market Segmentation

Dry Gel Conversion Precursor market is split by Type and by Application. For the period 2021-2032, 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

Non-aged Gel Type

Aged Gel Type

Market segment by Si/Al Ratio

Low Si/Al (50)

Market segment by Application

Petrochemical

Environmental

Energy Storage

Others

Major players covered

BASF (Germany)

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W.R. Grace (USA)

Honeywell (USA)

Clariant (Switzerland)

Tosoh (Japan)

Arkema (France)

Zeochem (Switzerland)

Zeolyst (Netherlands)

Sinopec Catalyst (China)

Jalon New Materials (China)

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 Dry Gel Conversion Precursor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Dry Gel Conversion Precursor, with price,

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sales quantity, revenue, and global market share of Dry Gel Conversion Precursor from 2021 to 2026.

Chapter 3, the Dry Gel Conversion Precursor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Dry Gel Conversion Precursor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Dry Gel Conversion Precursor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Dry Gel Conversion Precursor.

Chapter 14 and 15, to describe Dry Gel Conversion Precursor sales channel, distributors, customers, research findings and conclusion.

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