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Global Dry Gel Conversion Precursor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Dry Gel Conversion Precursor market size is expected to reach $ 888 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

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 studies the global Dry Gel Conversion Precursor production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for Dry Gel Conversion Precursor 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 Dry Gel Conversion Precursor that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Dry Gel Conversion Precursor total production and demand, 2021-2032, (Kilotons)
Global Dry Gel Conversion Precursor total production value, 2021-2032, (USD Million)
Global Dry Gel Conversion Precursor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)
Global Dry Gel Conversion Precursor consumption by region & country, CAGR, 2021-2032 & (Kilotons)
U.S. VS China: Dry Gel Conversion Precursor domestic production, consumption, key domestic manufacturers and share
Global Dry Gel Conversion Precursor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)
Global Dry Gel Conversion Precursor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)
Global Dry Gel Conversion Precursor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Dry Gel Conversion Precursor 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 BASF (Germany), W.R. Grace (USA), Honeywell (USA), Clariant (Switzerland), Tosoh (Japan), Arkema (France), Zeochem (Switzerland), Zeolyst (Netherlands), Sinopec Catalyst (China), Jalon New Materials (China), 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 Dry Gel Conversion Precursor market

Detailed Segmentation:

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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 Dry Gel Conversion Precursor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Dry Gel Conversion Precursor Market, Segmentation by Type:

Non-aged Gel Type

Aged Gel Type

Global Dry Gel Conversion Precursor Market, Segmentation by Si/Al Ratio:

Low Si/Al (50)

Global Dry Gel Conversion Precursor Market, Segmentation by Application:

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Petrochemical

Environmental

Energy Storage

Others

Companies Profiled:

BASF (Germany)

W.R. Grace (USA)

Honeywell (USA)

Clariant (Switzerland)

Tosoh (Japan)

Arkema (France)

Zeochem (Switzerland)

Zeolyst (Netherlands)

Sinopec Catalyst (China)

Jalon New Materials (China)

Key Questions Answered:
1. How big is the global Dry Gel Conversion Precursor market?
2. What is the demand of the global Dry Gel Conversion Precursor market?
3. What is the year over year growth of the global Dry Gel Conversion Precursor market?
4. What is the production and production value of the global Dry Gel Conversion Precursor market?

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5. Who are the key producers in the global Dry Gel Conversion Precursor market?
6. What are the growth factors driving the market demand?

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