

# Global Adsorbent Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Adsorbent market size is expected to reach \$ 6591 million by 2032, rising at a market growth of 3.0% CAGR during the forecast period (2026-2032).

An adsorbent is a material that can attract and hold molecules of a substance (such as gases, liquids, or solutes) on its surface through the process of adsorption. This material typically has a high surface area and is used in a variety of applications, including purification, separation, drying, and catalysis.

The molecular sieve segment is witnessing robust growth due to its versatility and efficiency in removing impurities. Its use in natural gas processing, air separation, and petrochemical applications continues to expand as industries strive for higher purity levels in gases and liquids. Innovations in pore size customization and regeneration technology are enhancing their efficiency, driving demand further. Additionally, the growing adoption of molecular sieves in the healthcare sector, particularly in oxygen concentrators, highlights their critical role in emerging markets.

Activated alumina is gaining traction due to its excellent moisture adsorption and fluoride removal capabilities. Its use in water treatment systems is growing as governments worldwide focus on safe drinking water initiatives. In addition, its role as a catalyst support material in refining and petrochemical processes is vital for efficiency improvement and sustainability. With increasing environmental regulations, industries are adopting activated alumina to meet compliance, particularly for drying and desulfurization applications in emissions control systems.

Chloride and sulphur guard adsorbents are experiencing increased demand due to their essential role in refining and natural gas purification. As clean energy adoption rises,

these adsorbents help remove harmful contaminants like hydrogen sulfide and chloride ions, protecting equipment and ensuring product quality. The shift toward cleaner fuel production, such as ultra-low sulfur diesel and liquefied natural gas (LNG), is driving their market growth. Advances in adsorbent materials to improve efficiency and lifespan are further supporting their adoption across diverse applications.

This report studies the global Adsorbent production, demand, key manufacturers, and key regions.

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

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

Global Adsorbent total production and demand, 2021-2032, (K MT)

Global Adsorbent total production value, 2021-2032, (USD Million)

Global Adsorbent production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global Adsorbent consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: Adsorbent domestic production, consumption, key domestic manufacturers and share

Global Adsorbent production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)

Global Adsorbent production by Chemical Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global Adsorbent production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Adsorbent 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 Clariant, UOP, W.R. Grace, Arkema, Tosoh, BASF, Axens, Makall, Topsoe, Huber, 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 Adsorbent market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) by manufacturer, by Chemical 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 Adsorbent Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Adsorbent Market, Segmentation by Chemical Type:

Molecular Sieves

Activated Alumina

Silica Gel

Clay

Calcium Chloride

Others

Global Adsorbent Market, Segmentation by Type:

Direct Sale

Distribution

Global Adsorbent Market, Segmentation by Channel:

Global Adsorbent Market, Segmentation by Application:

Natural Gas

Oxygen Generator

Petrochemicals

Air Separation

Pharmaceutical

Water Treatment

Electronics

Others

Companies Profiled:

Clariant

UOP

W.R. Grace

Arkema

Tosoh

BASF

Axens

Makall

Topsoe

Huber

Zeochem

Johnson Matthey

Evonik

Chemiewerk Bad K<sup>o</sup>stritz GmbH

KNT Group

CHALCO

Luoyang Jianlong Chemical

Sinchem Silica Gel

Wihai Pearl Silica Gel

OhE Chemicals

Haixin Chemical

Shanghai Hengye

Shanghai Lvqiang New Material

Jiangsu Jingjing New Material

Jiangsu Sanji

**Key Questions Answered:**

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

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