

Zeolite Molecular Sieve Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global zeolite molecular sieve market size reached US\$ 3.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.7 Billion by 2028, exhibiting a growth rate (CAGR) of 3.6% during 2022-2028.

A zeolite molecular sieve refers to a crystalline porous material with a definitive pore size. It appears as small, opaque and pink-colored beads that act as a catalyst in various chemical processes. It is manufactured using aluminosilicate solids with uniform size and definite structure and consists of other elements, such as sodium, potassium, magnesium and calcium. The molecular sieve is commonly used to manufacture detergents, for adsorption and separation in water treatment applications and dehydration of ethanol, air, refrigerants, methane and cracked gases. It also offers electroneutrality and facilitates selective absorption of materials based on particle size and polarity.

Significant growth in the oil and gas industry represents one of the key factors driving the market. Furthermore, the growing requirement for efficient water treatment systems across the globe is also stimulating the market growth. The molecular sieve is used for removing hazardous organic materials in wastewater, such as pesticides, herbicides, phenols, polycyclic aromatic hydrocarbons (PAHs), aliphatic and heterocyclic compounds and macro-porous materials. In line with this, widespread adoption of high-quality detergents resulting from the increasing hygiene awareness among the masses is also contributing to the market growth. The zeolite molecular sieve is used as an effective binder in both liquid and powder detergents, as it is environment-friendly and assists in eliminating calcium and magnesium ions from water for an effective wash. Additionally, various product innovations, such as the development of silver infused sieves with antimicrobial properties, are also favoring the market growth. Other factors, including rapid industrialization, along with extensive research and development (R&D)

activities, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global zeolite molecular sieve market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on material, grade, application and end use industry.

Breakup by Material:

Natural Zeolite

Artificial Zeolite

Breakup by Grade:

Type 3A

Type 4A

Type 13X

Others

Breakup by Application:

Catalyst

Adsorbent

Desiccants

Breakup by End Use Industry:

Oil and Gas Industry

Agricultural Industry

Chemical Industry

Pharmaceutical Industry

Water Treatment Industry

Construction Industry

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Arkema Group, BASF SE, CWK Chemiewerk Bad K^ostritz GmbH, Honeywell UOP (Honeywell), Interra Global Corporation, KNT Group, Tosoh Corporation, Tricat Group, W. R. Grace & Company and Zeochem AG (Cph Chemie & Papier).

Key Questions Answered in This Report

1. What was the size of the global zeolite molecular sieve market in 2022?
2. What is the expected growth rate of the global zeolite molecular sieve market during 2023-2028?
3. What has been the impact of COVID-19 on the global zeolite molecular sieve market?
4. What are the key factors driving the global zeolite molecular sieve market?
5. What is the breakup of the global zeolite molecular sieve market based on the material?
6. What is the breakup of the global zeolite molecular sieve market based on the end use industry?
7. What are the key regions in the global zeolite molecular sieve market?
8. Who are the key players/companies in the global zeolite molecular sieve market?

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