

Global 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation market size was valued at US\$ 122 million in 2025 and is forecast to a readjusted size of US\$ 155 million by 2032 with a CAGR of 3.5% during review period.

13X molecular sieve for air separation is a synthetic sodium-type X-crystal structure aluminosilicate adsorbent with a uniform pore size of 10A. Its main function is to deeply purify the raw gas in air separation units, efficiently removing water and carbon dioxide simultaneously, preventing ice formation in low-temperature equipment (freezing towers), and ensuring the smooth operation of the cryogenic air separation process. Its upstream supply chain includes basic chemical raw materials and equipment, mainly comprising sodium silicate (water glass), aluminum hydroxide, sodium aluminate, and other synthetic raw materials, as well as core production equipment such as reactors and calcination furnaces. In 2025, the global sales volume is estimated to be approximately 48,783 tons, with an average market price of approximately US\$2,430 per ton. The industry's gross profit margin is in the range of 15%–30%.

This report is a detailed and comprehensive analysis for global 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global 13X Molecular Sieve for Air Separation market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation

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 13X Molecular Sieve for Air Separation 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 Honeywell UOP, Arkema, Tosoh, W.R. Grace, Zeochem, CWK, BASF, Zeolites & Allied, Luoyang Jianlong Chemical, Haixin Chemical, etc.

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

Market Segmentation

13X Molecular Sieve for Air Separation 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

1.6–2.5 mm

2.5–5.0 mm

Other

Market segment by Process

Cryogenic Air Separation

Non-Cryogenic Air Separation

Market segment by Application

Gas Purification

Natural Gas Desulfurization

Others

Major players covered

Honeywell UOP

Arkema

Tosoh

W.R. Grace

Zeochem

CWK

BASF

Zeolites & Allied

Luoyang Jianlong Chemical

Haixin Chemical

Shanghai Hengye

Fulong New Materials

Shanghai Jiu-Zhou Chemical

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 13X Molecular Sieve for Air Separation product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 13X Molecular Sieve for Air Separation, with price, sales quantity, revenue, and global market share of 13X Molecular Sieve for Air Separation from 2021 to 2026.

Chapter 3, the 13X Molecular Sieve for Air Separation competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation 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 13X Molecular Sieve for Air Separation.

Chapter 14 and 15, to describe 13X Molecular Sieve for Air Separation sales channel, distributors, customers, research findings and conclusion.

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