

Global High-Purity Ammonium Perrhenate (APR) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global High-Purity Ammonium Perrhenate (APR) market size is expected to reach \$ 25.63 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

In 2025, global Ammonium perrhenate (APR) production reached approximately 25 tons, with an average global market price of around US\$700 per kilogram. Ammonium perrhenate (APR) is the ammonium salt of perrhenic acid, NH_4ReO_4 . It is the most common form in which rhenium is traded. It is a white salt; soluble in ethanol and water, and mildly soluble in NH_4Cl . The purity of high-purity ammonium rhenate should be above 99.99%, and the rhenium metal content is greater than 69.4%.

The global market for High-Purity Ammonium Perrhenate (APR) is primarily driven by the demand from high-tech industries such as aerospace and electronics manufacturing. The market landscape is currently characterized by dominance from a limited number of international players, while companies in countries like China are actively entering the field by advancing technologies for rhenium resource recovery and value-added utilization. For instance, the Chinese company Saisi has completed the debugging of a high-purity APR production line in Jilin and successfully produced products. APR serves as a critical precursor for manufacturing high-performance rhenium-based catalysts and nickel-based superalloys, which are essential components in petroleum refining, aerospace engines, and semiconductor fabrication. In terms of trends, the Asia-Pacific region, particularly China, is emerging as the fastest-growing market, fueled by its robust electronics supply chain and sustained investments in the aerospace sector. Furthermore, increasing emphasis is placed on circular economy technologies focused on recovering rhenium from spent catalysts and alloys, which helps mitigate supply risks associated with rhenium's rarity and enhances industry

sustainability. Growth opportunities for the market are closely linked to the global energy transition, encompassing the need for more efficient petrochemical catalysts, next-generation superalloys for aerospace engines, and novel catalytic applications in areas like hydrogen production. However, significant challenges persist. The supply chain faces vulnerability due to the high geographical concentration of primary rhenium production and associated geopolitical sensitivities, leading to potential price volatility and supply instability. Additionally, the production of APR involves high technical and capital barriers. Finally, the cyclical nature of key downstream industries, such as aerospace, can indirectly impact the stability of market growth.

This report studies the global High-Purity Ammonium Perrhenate (APR) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-Purity Ammonium Perrhenate (APR) 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 High-Purity Ammonium Perrhenate (APR) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High-Purity Ammonium Perrhenate (APR) total production and demand, 2021-2032, (Tons)

Global High-Purity Ammonium Perrhenate (APR) total production value, 2021-2032, (USD Million)

Global High-Purity Ammonium Perrhenate (APR) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global High-Purity Ammonium Perrhenate (APR) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: High-Purity Ammonium Perrhenate (APR) domestic production, consumption, key domestic manufacturers and share

Global High-Purity Ammonium Perrhenate (APR) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global High-Purity Ammonium Perrhenate (APR) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global High-Purity Ammonium Perrhenate (APR) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global High-Purity Ammonium Perrhenate (APR)

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 Molybdenum, KGHM, Hoganas, Kohsei, Xuzhou Haotong New Materials, Guangxi Jinchuan Nonferrous Metals, Jiangxi Copper, CHINA RHENIUM, Rheniumet Ltd, Hunan Yuanji New Materials, 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 High-Purity Ammonium Perrhenate (APR) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) 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 High-Purity Ammonium Perrhenate (APR) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High-Purity Ammonium Perrhenate (APR) Market, Segmentation by Type:

Purity ≥99.99% (4N)

Purity ≥99.999% (5N)

Global High-Purity Ammonium Perrhenate (APR) Market, Segmentation by Application:

Catalyst

High Temperature Alloy

Metal Rhenate

Others

Companies Profiled:

Molymet

KGHM

Hoganas

Kohsei

Xuzhou Haotong New Materials

Guangxi Jinchuan Nonferrous Metals

Jiangxi Copper

CHINA RHENIUM

Rheniumet Ltd

Hunan Yuanji New Materials

Changsha Halin Chemical Technology

Key Questions Answered:

1. How big is the global High-Purity Ammonium Perrhenate (APR) market?
2. What is the demand of the global High-Purity Ammonium Perrhenate (APR) market?
3. What is the year over year growth of the global High-Purity Ammonium Perrhenate (APR) market?
4. What is the production and production value of the global High-Purity Ammonium Perrhenate (APR) market?
5. Who are the key producers in the global High-Purity Ammonium Perrhenate (APR) market?
6. What are the growth factors driving the market demand?

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