

Global High Vanadium Type Vanadium Aluminum Alloy Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G911DF490D1FEN.html>

Date: July 2026

Pages: 133

Price: US\$ 4,480.00 (Single User License)

ID: G911DF490D1FEN

Abstracts

The global High Vanadium Type Vanadium Aluminum Alloy market size is expected to reach \$ 202 million by 2032, rising at a market growth of 8.1% CAGR during the forecast period (2026-2032).

High-vanadium vanadium-aluminum alloys refer to intermediate alloy materials with relatively high vanadium content and vanadium and aluminum as the main constituent elements. They are typically used as alloying additives in the smelting process of titanium alloys, high-temperature alloys, and special alloys. Compared to ordinary vanadium-aluminum alloys, high-vanadium products can introduce a higher proportion of vanadium into the matrix material, which helps to refine the grains, improve the alloy's strength, toughness, heat resistance, and fatigue resistance. Simultaneously, aluminum can improve the smelting addition effect and, in some alloy systems, play a role in reducing weight and improving oxidation resistance. These products are widely used in aerospace, military, energy equipment, high-end titanium alloys, and high-temperature structural materials, and typically have high requirements for compositional stability, impurity content, particle size distribution, and batch consistency. Global sales in 2025 were approximately 5,400 tons.

This report studies the global High Vanadium Type Vanadium Aluminum Alloy production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Vanadium Type Vanadium Aluminum Alloy 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 Vanadium Type Vanadium Aluminum Alloy that contribute to its increasing demand across many

markets.

Highlights and key features of the study

Global High Vanadium Type Vanadium Aluminum Alloy total production and demand, 2021-2032, (Tons)

Global High Vanadium Type Vanadium Aluminum Alloy total production value, 2021-2032, (USD Million)

Global High Vanadium Type Vanadium Aluminum Alloy production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global High Vanadium Type Vanadium Aluminum Alloy consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: High Vanadium Type Vanadium Aluminum Alloy domestic production, consumption, key domestic manufacturers and share

Global High Vanadium Type Vanadium Aluminum Alloy production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global High Vanadium Type Vanadium Aluminum Alloy production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global High Vanadium Type Vanadium Aluminum Alloy production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global High Vanadium Type Vanadium Aluminum Alloy 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 AMG, BaoTi Group, Kymera International, Avon Metals, Pangang Group Vanadium & Titanium Resources, Jinzhou Aohan Metal, Chengde Tianda Vanadium Industry, Lizhong Sitong Light Alloys, Baoji Jiacheng Rare Metal Materials, Dalian BHN Special 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 Vanadium Type Vanadium Aluminum Alloy 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 Vanadium Type Vanadium Aluminum Alloy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Vanadium Type Vanadium Aluminum Alloy Market, Segmentation by Type:

75V Aluminum Alloy

85V Aluminum Alloy

Global High Vanadium Type Vanadium Aluminum Alloy Market, Segmentation by Grade:

Aviation Grade

General Purpose Grade

Global High Vanadium Type Vanadium Aluminum Alloy Market, Segmentation by Form:

Blocky

Granular

Global High Vanadium Type Vanadium Aluminum Alloy Market, Segmentation by Application:

Aerospace

Military Industry

Other

Companies Profiled:

AMG

BaoTi Group

Kymera International

Avon Metals

Pangang Group Vanadium & Titanium Resources

Jinzhou Aohan Metal

Chengde Tianda Vanadium Industry

Lizhong Sitong Light Alloys

Baoji Jiacheng Rare Metal Materials

Dalian BHN Special Materials

ZS Advanced Materials

Baoji Chenyan Metal Materials

Key Questions Answered:

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

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