

Beryllium Market Report by Product Type (Alloys, Metals, Ceramics, and Others), End Use Industry (Industrial Components, Automotive, Healthcare, Aerospace and Defense, Oil and Gas and Other Energy, Electronics and Telecommunication, and Others), and Region 2024-2032

<https://marketpublishers.com/r/B5CAA9D8ECE7EN.html>

Date: April 2024

Pages: 135

Price: US\$ 3,899.00 (Single User License)

ID: B5CAA9D8ECE7EN

Abstracts

The global beryllium market size reached US\$ 171.5 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 261.1 Million by 2032, exhibiting a growth rate (CAGR) of 4.7% during 2024-2032.

Beryllium (Be) refers to a strong, lightweight, and brittle alkaline earth metal with a silvery-gray color. It is primarily obtained from beryl and bertrandite minerals. Beryllium is alloyed with copper or nickel to fabricate springs, gyroscopes, electrical contacts, spot-welding electrodes, and non-sparking tools. It exhibits excellent electrical conductivity, high flexural rigidity, thermal stability and conductivity, low density, and resistance to corrosion and fatigue. As a result, beryllium finds extensive applications across various industries, including aerospace and defense, consumer electronics, automotive, oil and gas, and healthcare.

Beryllium Market Trends:

The increasing applications of beryllium and its alloys across numerous end use sectors represent the primary factors driving the market growth. For instance, beryllium is widely used to manufacture structural components for high-speed aircraft, missiles, spacecraft, and communication satellites. Besides this, in the telecommunication sector, beryllium is employed for use in wireless, fixed, and optical transmission tools, such as broadband cable hubs, wireless base receiver stations, and wireless network gateway equipment.

Additionally, beryllium is rapidly gaining traction in manufacturing connectors used in cell phones and computers due to its superior electrical insulation and high thermal conductivity. Along with this, the emerging trend of electronics miniaturization and the surging sales of consumer electronics on account of inflating consumer disposable incomes, improving lifestyles, and rapid urbanization are catalyzing the product demand. Furthermore, the rising product usage in automotive electronics as the connector material for battery and optical filters for night vision, speed control, sensors, and camera applications is propelling the market growth. Other factors, including the escalating demand for beryllium oxide in nuclear power generation, increasing defense expenditure, growing product applications in medical equipment, rapid industrialization, and ongoing research and development (R&D) activities, are also creating a positive market outlook.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global beryllium market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product type and end use industry.

Breakup by Product Type:

- Alloys
- Metals
- Ceramics
- Others

Breakup by End Use Industry:

- Industrial Components
- Automotive
- Healthcare
- Aerospace and Defense
- Oil and Gas and Other Energy
- Electronics and Telecommunication
- Others

Breakup by Region:

- Alloys

Metals
Ceramics
Others

Breakup by End Use Industry:

Industrial Components
Automotive
Healthcare
Aerospace and Defense
Oil and Gas and Other Energy
Electronics and Telecommunication
Others

Breakup by Region:

Key Questions Answered in This Report

1. What was the size of the global beryllium market in 2023?
2. What is the expected growth rate of the global beryllium market during 2024-2032?
3. What are the key factors driving the global beryllium market?
4. What has been the impact of COVID-19 on the global beryllium market?
5. What is the breakup of the global beryllium market based on the end use industry?
6. What are the key regions in the global beryllium market?
7. Who are the key players/companies in the global beryllium market?

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