

Global Industrial Garnet Market Report and Forecast 2022-2027

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Report description:

Global Industrial Garnet Market Report and Forecast 2022-2027

Market Outlook

According to the report by Expert Market Research (EMR), the global industrial garnet market is being aided by the increasing application of industrial garnet in various end-use industries. The market is projected to grow at a CAGR of 7.2% between 2022 and 2027 to reach a value of USD 479.29 million by 2027.

Industrial garnet refers to a chemical compound which belongs to silicate mineral group. The compound has a general crystalline structure and attractive angular fractures. Garnet exhibits some properties which are favourable for various industrial activities. These properties include good specific gravity, absence of toxicity, and chemical inertness. In addition, industrial garnet is hard, and the strength profile of the compound ranges from 7.8 to 8.0 Moh.

The heightened application of industrial garnet in water jet cutting is a major driving factor in the industrial garnet market. The increasing adoption of water jet cutting method by the steel manufacturing companies to achieve greater precision and speed is further bolstering the demand for industrial garnet. Over the forecast period, the anticipated increase in demand for steel in the construction sector is likely to accelerate the application of the industrial garnet in water jet cutting.

Industrial garnet is also deployed for the purpose of cutting automotive glass and aluminium. In this regard, the thriving automotive industry is further propelling the industrial garnet market growth owing to the increasing sale of electric cars. Meanwhile, industrial garnet is a crucial component for shaping and fragmenting aerospace metal components. Therefore, the growing research and development activities in the aerospace sector, aimed towards ramping up high-quality aircraft and vehicles, are likely to escalate the incorporation of industrial garnets in the forecast period.

Moreover, industrial garnet offers high resistance to chemicals and abrasion, which makes it applicable in the water filtration process. Industrial garnet helps the water treatment units carry out efficient, precise, quick, and safe water filtration. The anticipated increase in demand for clean drinking water in the forecast period, which can be attributed to the growing population and increasing sale of packaged bottled water, is likely to provide impetus to the industrial garnet market.

Furthermore, the transition from using hazardous chemical components to chemically inert compounds in the sandblasting process is a crucial market driving factor. Industrial garnet enhances productivity of the process, offers resistance to moisture, and is durable. Over the forecast period, the expected increase in application of sandblasting in the manufacturing process of

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fibreglass is anticipated to enhance the demand for the product.

In terms of region, the Asia Pacific region accounts for a significant share of the market owing to the rapid industrialisation across the emerging economies such as India and China. Rapid urbanisation and robust infrastructural developments across the continent are anticipated to generate significant demand for cement, metal, and steel, among others. This increase in demand for these construction components will bolster the application of industrial garnet in the construction sector, thereby boosting the Industrial garnet market dynamics.

Meanwhile, the flourishing blast cleaning and commercial cleaning industry across the United States of America is anticipated to augment the application of industrial garnet to achieve high-precision cleaning. Moreover, the market in the region is anticipated to be aided by the technological advancements in water treatment industry, which is likely to lead to heightened demand for industrial garnet in water filtration facilities in America.

Market Segmentation

The market can be divided on the basis of product types, applications, and regions.

Market Breakup by Product Type

- Almandine
- Andradite
- Grossular
- Pyrope
- Spessartine
- Uvarovite
- Others

Market Segmentation by Application

- Water Jet Cutting
- Abrasive Blasting
- Water Filtration
- Abrasive Powders
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the key players in the industrial garnet market. Some of the major key players explored in the report by Expert Market Research are as follows: □

- GMA Garnet Group
- Trimex Sands Private Limited
- Barton International
- Rizhao Garnet Ltd
- Indian Ocean Garnet Sands Company Ltd.
- V.V. Mineral
- Others

*We at Expert Market Research always strive to give you the latest information. The numbers in the article are only indicative and may be different from the actual report.

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