

Global Granule Mold Compound 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 Granule Mold Compound market size was valued at US\$ 149 million in 2025 and is forecast to a readjusted size of US\$ 261 million by 2032 with a CAGR of 8.0% during review period.

In 2025, global Granule Mold Compound (GMC) production reached approximately 16 k tons, with an average global market price of around US\$9,040 per ton. Granule Mold Compound (GMC) is a semiconductor packaging material supplied in granular form. It is produced through thermal mixing of epoxy resin, curing agents, spherical silica fillers, and functional additives, followed by cooling and crushing, resulting in particle sizes typically ranging from sub-millimeter to several millimeters. Compared with conventional tablet-type mold compounds, GMC offers higher flowability, lower shrinkage, and excellent compatibility with automated processing. It is the core material for compression molding processes and is widely used in advanced applications such as wafer-level packaging (WLP) and panel-level packaging (PLP).

The global Granular Molding Compound market is experiencing sustained growth, driven by the advancement of semiconductor advanced packaging technologies. As a critical protective material for chip packaging, its granular form is particularly suited for advanced processes like Fan-Out Wafer-Level Packaging, playing a vital role in ensuring the reliability of high-end chips such as High Bandwidth Memory. The market is currently led by a limited number of international manufacturers, but clear trends of product upgrading and import substitution are evident. A key development trend is the iterative shift towards higher-value product structures. GMC for advanced packaging demands superior performance, commanding a significantly higher unit value compared to materials used in traditional packaging. Furthermore, demand from AI and high-

performance computing for HBM, alongside the growth of automotive electronics, provides continuous application-driven market??. A major current opportunity lies in import substitution within the context of semiconductor supply chain localization. Domestic companies are gradually overcoming technical barriers, with some products entering leading supply chains. They are gaining market share by leveraging cost and service advantages, thereby reshaping the competitive landscape. However, significant obstacles remain. Firstly, high-performance GMC has substantial technical barriers, with core formulations and processes still mastered by overseas companies, posing challenges for domestic firms in the high-end market. Secondly, the supply stability and technical level of key upstream raw materials (e.g., specific grades of silica micro powder) also impact the industry's development.

This report is a detailed and comprehensive analysis for global Granule Mold Compound 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 Granule Mold Compound market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Granule Mold Compound market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Granule Mold Compound market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Granule Mold Compound market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), 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 Granule Mold Compound

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 Granule Mold Compound 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 Sumitomo Bakelite, Resonac, Panasonic, KCC Corporation, HighsolEM, Jiangsu Hhck Advanced Materials, Jiangsu Zhongke Kehua, etc.

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

Market Segmentation

Granule Mold Compound 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

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