

# Global Granule Mold Compound Market Growth 2026-2032

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## Abstracts

The global Granule Mold Compound market size is predicted to grow from US\$ 142 million in 2025 to US\$ 255 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

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.

LP Information, Inc. (LPI) ' newest research report, the "Granule Mold Compound Industry Forecast" looks at past sales and reviews total world Granule Mold Compound sales in 2025, providing a comprehensive analysis by region and market sector of projected Granule Mold Compound sales for 2026 through 2032. With Granule Mold Compound sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Granule Mold Compound industry.

This Insight Report provides a comprehensive analysis of the global Granule Mold Compound landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Granule Mold Compound portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Granule Mold Compound market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Granule Mold Compound and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Granule Mold Compound.

This report presents a comprehensive overview, market shares, and growth opportunities of Granule Mold Compound market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Filler Content ?80%

Filler Content

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