

Glycidyl Methacrylate Market Outlook 2026-2034: Market Share, and Growth Analysis By Application (Coatings, Adhesives, Electrical Laminates, Plastics, Others)

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Abstracts

The Glycidyl Methacrylate Market is valued at USD 277.6 million in 2025 and is projected to grow at a CAGR of 8% to reach USD 554.8 million by 2034.

Glycidyl Methacrylate Market

Glycidyl methacrylate is used mainly as a reactive comonomer to graft epoxy functionality onto acrylic, styrenic, and olefinic polymers, and to improve adhesion, crosslinking, and chemical resistance in high-performance coatings and inks. In powder coatings (especially for metal, appliances, and automotive under-the-hood parts), GMA helps create durable, corrosion-resistant films with good weatherability and flexibility. In adhesives and sealants, its epoxy ring enables bonding to difficult substrates - metals, glass, and some engineering plastics - while the methacrylate group enables copolymerization with MMA, BA, styrene, or other acrylics. Polyolefin and PVC producers use GMA for grafting/maleation-type modification to improve paintability, tie-layer performance, or fiber/metal adhesion. It also shows up in UV/EB-curable systems, electronics encapsulation, printing inks, and certain medical/ion-exchange and membrane materials where controlled functionality is important. Demand trends follow industrial coatings, automotive and appliances, packaging and printing, and construction/pipe applications that need better adhesion or chemical resistance without completely changing the backbone resin. On the supply side, GMA is produced via epoxidation routes that require careful handling (it is irritating/sensitizing), so EHS, purity, and inhibitor stability are buyer priorities - especially in export markets. Key challenges are exposure to upstream petrochemical pricing, regulatory and worker-

safety scrutiny on epoxides and residual monomers, and the availability of alternative functional monomers or non-GMA powder systems. As formulators keep pushing for lower-VOC, high-solids, and UV-curable products with better adhesion to metals, plastics, and composites, GMA stays relevant as a compact, versatile functionality source.

Glycidyl Methacrylate Market Key Insights

Dual functionality is the value. The methacrylate lets GMA copolymerize seamlessly with acrylic/styrenic systems, while the epoxide introduces sites for post-reaction, adhesion promotion, or crosslinking - few other monomers do both as cleanly.

Powder coatings are a core pull. GMA-containing powders achieve good edge coverage, corrosion resistance, and outdoor durability, making them attractive for architectural metal, appliances, and automotive components.

Adhesion to difficult substrates. GMA-modified polymers bond better to metals, glass, and some polyolefins, so converters use it in primers, tie layers, and printing/laminating inks for flexible packaging.

Compatibilization in plastics. Grafting GMA onto PE/PP or PVC improves paintability and fiber or metal adhesion, useful in automotive interiors, wire/cable, and pipe/coating systems.

UV/EB and electronics. GMA's extra functionality increases crosslink density and chemical resistance in radiation-curable coatings, 3C/consumer electronics finishes, and certain encapsulation formulas.

Purity and stability matter. Low color, low hydrolyzed species, and good inhibitor packages reduce gel formation and keep polymerization predictable - critical in export and medical/filtration applications.

EHS and regulatory pressure. Being an epoxide/methacrylate, GMA requires good handling, ventilation, and labeling; suppliers that deliver strong SDS, exposure data, and packaging safety gain preference.

Alternatives exist but aren't perfect. Other functional monomers (HEMA, GMA analogs, MAH-grafted polymers) can displace GMA in some systems, but often

at higher dosage or with less balanced properties.

Formulation know-how sells. Vendors that supply starting-point formulations for GMA-epoxy powders, GMA-modified acrylics, or GMA-grafted polyolefins help shorten customers' development time.

Sustainability signals rising. Buyers increasingly ask for REACH/TSCA-ready, low-residual, and, where possible, lower-carbon or regionally produced GMA to de-risk supply.

Glycidyl Methacrylate Market Regional Analysis

North America

Demand is tied to industrial/powder coatings, automotive and appliances, packaging inks/adhesives, and plastics modification. Buyers want reliable, low-color, well-inhibited GMA with strong EHS documentation and local stock to avoid import lead times.

Europe

Strict worker-safety, VOC, and REACH requirements push formulators toward high-functionality monomers they can justify on performance - GMA fits well in powder, UV, and metal-adhesion systems. Traceability, impurity limits, and sustainability disclosures are key procurement filters.

Asia-Pacific

The volume center, driven by China, Korea, and Japan's coatings, electronics/3C, fiber, and plastics industries. Local GMA production offers cost advantages, but export-oriented customers still pay for higher-purity material. Rapid growth in powder coatings and flexible packaging sustains demand.

Middle East & Africa

Smaller but growing use in industrial/pipe coatings, metal protection for infrastructure, and packaging. Import reliance means buyers prefer standardized, drum/IBC packaging, good shelf stability, and tech support for local formulators.

South & Central America

Industrial coatings, appliances, and packaging/printing converters are the main users. Price sensitivity is higher, so versatile GMA grades that can serve coatings, adhesives, and plastic modification from the same stockkeeping unit are preferred; regional distributors play an important role.

Glycidyl Methacrylate Market Segmentation

By Application

Coatings

Adhesives

Electrical Laminates

Plastics

Others

Key Market players

Dow Inc., Mitsubishi Gas Chemical Company Inc., Estron Chemical Inc., Haihang Industry Co. Ltd., Sumitomo Chemical Co. Ltd., Arkema S.A., Evonik Industries AG, Merck KGaA, Lianyungang Ningkang Chemical Co. Ltd., Jin Dun Chemical Co. Ltd., Hubei Xiansheng Biotechnology Co. Ltd., Kowa American Corporation, Oswal Udhyog, Ningbo Mingtai Chemical Co. Ltd., Allnex GmbH

Glycidyl Methacrylate Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modelling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends. Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behaviour are considered in forecasting

scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Glycidyl Methacrylate Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption. Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Glycidyl Methacrylate market data and outlook to 2034

United States

Canada

Mexico

Europe — Glycidyl Methacrylate market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Glycidyl Methacrylate market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Glycidyl Methacrylate market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Glycidyl Methacrylate market data and outlook to 2034

Brazil

Argentina

Chile

Peru

* We can include data and analysis of additional countries on demand.

Research Methodology

This study combines primary inputs from industry experts across the Glycidyl Methacrylate value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Glycidyl Methacrylate industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Glycidyl Methacrylate Market Report

Global Glycidyl Methacrylate market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Glycidyl Methacrylate trade, costs, and supply chains

Glycidyl Methacrylate market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Glycidyl Methacrylate market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Glycidyl Methacrylate market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Glycidyl Methacrylate supply chain analysis

Glycidyl Methacrylate trade analysis, Glycidyl Methacrylate market price analysis, and Glycidyl Methacrylate supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Glycidyl Methacrylate market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

* The updated report will be delivered within 3 working days

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