

# Global Medical Grade Polymethyl Methacrylate Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Medical Grade Polymethyl Methacrylate market size is expected to reach \$ 4306 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Medical-grade polymethyl methacrylate (PMMA) is a transparent polymer material characterized by high purity, biocompatibility, and long-term stability. It is widely used in clinical applications such as orthopedic bone cement, ophthalmic intraocular lenses, dental restorations, and medical device components.

The upstream supply chain primarily includes high-purity methyl methacrylate (MMA) monomers, initiators, biocompatible additives, and sterile packaging materials; downstream applications are concentrated in orthopedics and trauma repair, ophthalmic and dental consumables, medical devices, and medical implants and auxiliary products. In 2025, the global average price of medical-grade PMMA is projected to be US\$2282 per ton, with annual sales of approximately 1.312 million tons, a global annual production capacity of approximately 1.5 million tons, and an industry profit margin of 28%.

Global Market Development Trends:

First, aging populations and increasing healthcare demands constitute a long-term driving force. The accelerating global aging population is driving a continuous increase in demand for orthopedic surgery, joint replacement, and dental restoration, propelling the stable growth of medical-grade PMMA in bone cement and dental materials. This demand has a low correlation with macroeconomic fluctuations, giving the medical-grade PMMA market strong resilience.

Second, high standards and compliance requirements are driving product premiumization. Medical-grade PMMA requires extremely high purity, residual monomer control, sterility, and traceability, continuously raising the industry entry barrier. The future market will increasingly favor suppliers with long-term clinical validation, stable

batch consistency, and global registration capabilities, making it increasingly difficult for ordinary material companies to enter the market.

Third, application expansion and technological improvements are bringing structural growth. While maintaining traditional applications such as bone cement and intraocular lenses, medical-grade PMMA is expanding into areas such as drug sustained-release carriers and customized implant auxiliary materials. With the development of minimally invasive surgery and personalized medicine, the medical-grade PMMA market will exhibit a long-term evolution path characterized by 'stable scale, emphasis on quality, and strong compliance.'

This report studies the global Medical Grade Polymethyl Methacrylate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Medical Grade Polymethyl Methacrylate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Medical Grade Polymethyl Methacrylate that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Medical Grade Polymethyl Methacrylate total production and demand, 2021-2032, (Kilotons)

Global Medical Grade Polymethyl Methacrylate total production value, 2021-2032, (USD Million)

Global Medical Grade Polymethyl Methacrylate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Medical Grade Polymethyl Methacrylate consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Medical Grade Polymethyl Methacrylate domestic production, consumption, key domestic manufacturers and share

Global Medical Grade Polymethyl Methacrylate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Medical Grade Polymethyl Methacrylate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Medical Grade Polymethyl Methacrylate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Medical Grade Polymethyl Methacrylate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Rohm, Mitsubishi Chemical, Evonik, Arkema, Sumitomo Chemical, Asahi Kasei, Kuraray, Trinseo, Chi Mei, Sinopec

Shanghai, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Medical Grade Polymethyl Methacrylate market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Medical Grade Polymethyl Methacrylate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Medical Grade Polymethyl Methacrylate Market, Segmentation by Type:

Standard Medical Grade

High Purity Medical Grade

High-End Implant Grade

## Global Medical Grade Polymethyl Methacrylate Market, Segmentation by Product Form:

Powder

Granules

## Global Medical Grade Polymethyl Methacrylate Market, Segmentation by Usage Properties:

Implantable Grade PMMA

Non-Implantable Medical Grade PMMA

## Global Medical Grade Polymethyl Methacrylate Market, Segmentation by Application:

Orthopedics

Ophthalmology

Dentistry

Other

## Companies Profiled:

Rohm

Mitsubishi Chemical

Evonik

Arkema

Sumitomo Chemical

Asahi Kasei

Kuraray

Trinseo

Chi Mei

Sinopec Shanghai

Jilin Petrochemical

Wanhua Chemical

**Key Questions Answered:**

1. How big is the global Medical Grade Polymethyl Methacrylate market?
2. What is the demand of the global Medical Grade Polymethyl Methacrylate market?
3. What is the year over year growth of the global Medical Grade Polymethyl Methacrylate market?
4. What is the production and production value of the global Medical Grade Polymethyl Methacrylate market?
5. Who are the key producers in the global Medical Grade Polymethyl Methacrylate market?
6. What are the growth factors driving the market demand?

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