

Polymethyl Methacrylate (PMMA) Market by Grade (General Purpose, Optical), Form(Extruded Sheet, Cast Acrylic Sheet, Pellets, Beads),End-Use Industry(Signs & Displays, Construction, Automotive, Lighting Fixtures, Electronics, Marine, Healthcare) & Region - Global Forecast to 2027

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Abstracts

The global Polymethyl Methacrylate (PMMA) market is projected to grow from USD 4.8 Billion in 2022 to USD 6.3 Billion by 2027, at a CAGR of 5.4% during the forecast period. Increasing usage of PMMA in construction, automotive, electronics, and other end-use industries are driving the demand for PMMA during the forecast period. However, availability of low-cost substitutes is expected to hamper market growth. PMMA is a versatile, recyclable, sustainable, and durable material, owing to which it is gaining traction across several industrial applications. Due to its superior properties and the changing government policies such as European Green Deals, the global market for PMMA is expected to grow

“Automotive is projected to be the fastest-growing segment by end-use industry in PMMA market”

Based on end-use industry, automotive is estimated to be the fastest-growing segment of PMMA during the forecast period. PMMA is widely used in the automotive industry as it is light in weight and weather resistant. It is used in taillights, windshields, windscreens, side windows, instrument panels, headlamps and rear lights, lenses of exterior lights, meter panels, sun visors, car sculptures, tail lamp covers, speedometer covers, and signal lamps. PMMA is used in electric vehicles (EVs) due to their high-performance characteristics compared to traditional polymer and other materials. The

changing regulatory scenario and government policies to support EVs boost the growth of the PMMA market.

“Extruded Sheets is projected to be the fastest-growing segment by form in PMMA market”

Extruded Sheets is estimated to be the fastest-growing segment by form in the PMMA market during the forecast period. This is due to its advantages, which include clarity, good surface quality, range of colors, easy maintenance, surface hardness, lightweight, and easy fabrication. Moreover, These are cost effective option compared to others.

“Asia Pacific is projected to be the fastest growing segment in PMMA market by region”

Asia Pacific is the fastest growing PMMA market in forecast period. The major end users of PMMA in Asia pacific includes construction, automotive, lighting fixtures, electronics, signage & display, and others. China dominates the PMMA market in Asia Pacific in terms of value and volume. The market growth in this region can be attributed to the improving socio-economic conditions in emerging economies such as China and India. The demand for PMMA in the Middle East is expected to increase. It is propelled by the increasing demand for lightweight, durable, and weather-resistant substitute to glass. The rising demand for durable and advanced products in the sign & display, construction, and electronics applications is driving the market for PMMA in the region.

Extensive primary interviews were conducted to determine and verify the market size for several segments and sub segments and information gathered through secondary research.

The break-up of primary interviews is given below:

By Company Type: Tier 1: 52%, Tier 2: 26%, and Tier 3: 22%

By Designation: C-level Executives: 48%, Directors: 23%, and Others: 29%

By Region: North America: 21%, Europe: 25%, Asia Pacific: 44%, ROW: 10%

Notes: Others include sales, marketing, and product managers.

Tier 1: >USD 1 Billion; Tier 2: USD 500 million–1 Billion; and Tier 3:

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About

PMMA is a transparent thermoplastic and impact resistant substitute of glass. It is highly durable, weather, and chemical-resistant as compared to glass. It is lightweight, rigid, and has color versatility. PMMA is available in two grades that are optical grade and general grade. Optical grade PMMA is used to make light guide panels (LGP), as it provides high brightness and high purity grade making screen brighter and cleaner. GP (general grade) is the most common grade that finds its applications in molds, sanitary ware, cosmetics packaging, toys, household appliances, lighting fixtures, and furniture. PMMA is used in various applications such as automotive, electronics, construction, signs and displays, sanitary ware, and lighting fixtures.

Objectives of the Study:

- To define and measure the global market for polymethyl methacrylate (PMMA) by application, grade, form, and region
- To analyze the PMMA market structure by identifying its subsegments
- To forecast the market size (in terms of value and volume) of the global PMMA market and its different sub markets by four main regions—North America, Europe, Asia-Pacific, and Rest of the World (ROW)
- To analyze the market at country level for each application
- To identify significant market trends and the factors driving or inhibiting growth of the global PMMA market and its different sub markets
- To strategically analyze each sub market with respect to individual growth trend and its contribution to the global PMMA market
- To analyze opportunities in the market for the stakeholders by identifying high-growth segments of the global PMMA market
- To strategically profile the key players of the global PMMA market and to comprehensively analyze their market shares and core competencies in each segment

- To analyze competitive developments, such as alliances, joint ventures, new products, and plant developments in the global PMMA market.

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