

Global Rotomolding Market Size, by Material (Polyethylene, Polycarbonate, Nylon, PVC, Polypropylene), by Form (Compound, Resin), by End-use (Building & Construction, Automotive & Transportation, Packaging, Agriculture, Sports & Leisure), and Regional Forecasts 2022-2032

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Abstracts

The Global Rotomolding Market is valued at approximately USD 5.0 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 5.9% over the forecast period 2023-2032. Rotomolding, short for rotational molding, is a versatile manufacturing process used to produce hollow plastic products. This technique involves adding powdered plastic resin into a mold, which is then heated and rotated along two perpendicular axes. The combination of heat and rotation causes the resin to melt and evenly coat the interior walls of the mold. Once the mold is sufficiently heated and the plastic has fully adhered to its surface, it is cooled to solidify the plastic into the desired shape. Rotomolding is particularly advantageous for creating large, durable, and complex-shaped items with consistent wall thickness and strong structural integrity. The increasing demand for polyethylene in building & construction and automotive & transportation sectors is expected to drive market growth. Rotomolding, a plastic molding technique used to produce hollow articles, is gaining traction due to its applications in manufacturing water tanks, pipes, and electric vehicle components.

The rise in the usage of rotomolded plastics in the automotive industry, especially for electric vehicles, is a significant driver. Governments and construction companies are also promoting the use of rotomolding plastics for various applications, including furniture, outdoor playground equipment, industrial hoppers, and tanks & containers. Furthermore, vendors in the global rotomolding industry are investing significantly in

R&D to develop new products and broaden their revenue streams. Plastics manufactured through the rotational molding process are extensively used in making various automotive parts such as heaters, air conditioner ducts, sun visors, armrests, filler tubes, and truck dashboards. The surge in sales of passenger and commercial vehicles, coupled with the transition towards electric vehicles, is expected to spur market growth. Electric vehicles, being more lightweight and energy-efficient, are increasing the demand for rotomolded plastics.

The key regions considered in the study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. Asia Pacific is projected to hold the largest market share with a CAGR in 2023. The region's dominance is attributed to the lower price of rotomolding and the rise in population driving the demand for housing facilities. North America is expected to grow steadily, while the market share of Latin America and the Middle East & Africa is anticipated to decline due to fewer rotomolders.

Key market players in the report includes:

Centria Plastics, LLC

N. A. Roto Machines & Moulds India

Dura-Cast Products, Inc.

Rotational Molding Inc.

RotoDynamics, Inc.

Centro Incorporated

Elkhart Plastics, Inc.

Rotational Mouldings Limited

Dutchland Plastics

Akro-Plastics

Roto Solutions, Inc.

Roto-Mold USA

Norstar Aluminum Molds

Viking Plastics Ltd.

RotoFlex Technologies

By Region:

North America:

U.S.

Canada

Europe:

Germany

U.K.

France

Italy

Spain

Asia Pacific:

China

India

Japan

South Korea

Australia

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East and Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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