

Injection Molding: Global Markets and Technologies

Market Research Report | 2024-07-24 | 140 pages | BCC Research

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Report description:

Description

Report Scope:

This report presents a detailed qualitative as well as quantitative analysis of thermoplastics within the injection molding market. The market estimates and forecasts are prepared based on the revenue generated from plastics sales to the injection molding industry. In addition, qualitative analyses of the market scenario for injection molding companies are also provided where necessary for clarity.

The study considers 2023 as the base year; forecasts are provided for revenue from 2024 to 2029 (\$ million). The market study is further sub-segmented as below -

- Type: Polypropylene (PP), Acrylonitrile Butadiene Styrene (ABS), Polyethylene (PE), and Others.
- End-User: Packaging, Construction, Medical Devices, Transportation, and Others.
- Region: North America, Asia-Pacific, Europe, and the Rest of the World (RoW).

Report Includes:

- 47 data tables and 47 additional tables
- Analysis of the global markets for injection molding of thermoplastic materials
- Analyses of global market trends, with market revenue data from 2023, estimates for 2024, forecasts for 2028, and projected CAGRs through 2029
- Estimates of the current market size and revenue prospects, along with a market share analysis based on polymer type, end-user and region
- Facts and figures pertaining to the market dynamics, technology trends, regulations, and future prospects for the major types of thermoplastic resins used to produce molded products

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- Review of the industry supply chain, using the Porter's Five Forces model, PESTLE and SWOT analyses to analyze the prevailing micro- and macro environmental factors
- Overview of sustainability trends and ESG developments in the industry, with a focus on consumer attitudes, companies' ESG score rankings and their ESG practices
- A look at recent patents
- An analysis of the industry structure, including companies' market shares, alliances, M&A activity and venture funding outlook
- Profiles of the major global players, including BASF SE, SABIC, Exxon Mobil Corp., LG Chem and LyondellBasell Industries Holdings B.V.

Executive Summary

Summary:

The global plastic injection molding industry has become an essential element in modern manufacturing and finds broad applications across a diverse set of industries. The versatility of this process has enabled widespread applications across packaging, automotive, aerospace, consumer goods, medical devices and other industries. The technology is widely popular due to its ability to create intricate parts with high precision.

In addition, the versatility and flexibility of plastics have further heightened the demand in plastic injection molding market. Thermoplastics are suitable injection molding resins, as they can be conveniently molded and softened on getting heated. They also harden to their original strength after cooling. Due to their molecular composition, these resins can be easily softened multiple times upon exposure to heat, thus making them recyclable and reusable.

Like other industries, the plastic injection molding industry is also constantly evolving and driven by technological advancements, environmental concerns and changing consumer preferences. The industry is also undergoing a significant transition towards sustainable practices to reduce the ecological impact of the process. The adoption of bioplastics and biodegradable plastics is also expected to expand in the near future, led by growing concerns about plastic pollution and its associated health risks.

A major surge in demand from key end-user industries such as packaging, transportation, medical devices and construction has played a key role in driving the overall demand for plastic injection molding. The ability of injection molding to develop both standard and custom-made parts with high precision in lesser lead time has enabled its widespread application across these industries.

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