

India Injection Molded Plastic Market Size, Share & Trends Analysis Report By Raw Material (Polypropylene, Acrylonitrile Butadiene Styrene, HDPE, LDPE, Polystyrene, Polyethylene, PET, Polyvinyl Chloride, PEEK, PU), By Application (Medical), And Segment Forecasts, 2025 - 2030

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Abstracts

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India Injection Molded Plastic Market Growth & Trends

The India injection molded plastic market size is anticipated to reach USD 38.13 billion by 2030, growing at a CAGR of 5.5% from 2025 to 2030, according to a new report by Grand View Research, Inc. The rapid expansion of India's healthcare sector is one of the major driving factors for the injection molded plastic market. Injection-molded plastics are extensively used in the production of medical devices, components, and packaging due to their cost-effectiveness, biocompatibility, and ease of sterilization. With the rise in healthcare infrastructure and increased government spending under schemes such as Ayushman Bharat, the demand for disposable syringes, IV tubes, and diagnostic equipment has surged, significantly boosting the market growth.

India's electronics and electrical industries are witnessing exponential growth, fueled by initiatives such as "Make in India" and the Production Linked Incentive (PLI) scheme for electronics manufacturing. Injection molded plastics play a vital role in producing components such as casings, connectors, switches, and circuit board enclosures, which require precision and durability. Additionally, with the increasing adoption of smart home

devices, wearables, and IoT-enabled gadgets, the demand for high-quality plastic components is on the rise.

There is a growing preference for lightweight and sustainable materials across industries, driven by environmental concerns and stringent regulations. In sectors such as automotive and electronics, injection molded plastics offer a viable alternative to metals, reducing overall weight and improving energy efficiency. Furthermore, the development of bioplastics and recyclable materials has opened new avenues for the injection molding industry in India.

The ongoing urbanization in India has led to a surge in consumer demand for products across multiple sectors, including household goods, packaging, and automotive. Injection molded plastics are widely used in producing consumer goods such as containers, furniture, and storage solutions due to their versatility, durability, and cost efficiency. Urban centers are also witnessing increased investments in infrastructure, which indirectly boosts the demand for electrical components and appliances requiring injection molded plastic parts. For example, the electrification of rural areas and rising disposable incomes have spurred demand for consumer electronics, further driving the market growth.

India Injection Molded Plastic Market Report Highlights

The polyethylene (PE) raw material segment accounted for the largest market share of over 18.0% in 2024. The Acrylonitrile Butadiene Styrene (ABS) segment, on the other hand, is expected to grow at the fastest CAGR of 8.3% during the forecast period.

Based on application, the other applications segment dominated the India injection molded plastic industry in 2024, accounting for the largest revenue share of over 62.0%. This segment includes packaging, automotive & transportation, building & construction, industrial, and many others.

The medical application segment is expected to grow at the fastest CAGR of 6.0% during the forecast period.

In October 2024, BASF launched a new series of ether-based TPU called Elastollan 1400. This new material is designed to offer excellent resistance to hydrolysis and microbes, making it suitable for various applications and processes such as

injection molding.

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