

# **MDI, TDI, and Polyurethane Market by Application (Flexible Foams, Rigid Foams, Paints & Coatings, Elastomers, Adhesives & Sealants), End-Use (Construction, Furniture & Interiors, Electronics & Appliances, Automotive, Footwear) - Global Forecast to 2026**

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## **Abstracts**

The MDI, TDI & Polyurethane market size is estimated to be USD 77.9 billion in 2021 and is projected to reach USD 105.3 billion by 2026, at a CAGR of 6.2% between 2021 and 2026. Factors such as compliance with energy regulation, environmental sustainability need, and versatility & unique properties will drive the MDI, TDI & polyurethane market. The major restraint for the market will be toxicity and environmental concern and eco-friendly substitutes. However, increasing demand for bio-based polyurethane will act as an opportunity for the market.

“Flexible foam is the largest application for MDI, TDI & polyurethane market in 2020”

With flexible polyurethane foams, manufacturers of furniture, bedding, and automotive sectors can address the issues of sustainability and energy conservation more efficiently. Flexible foam is one of the most widely used materials in the bedding & furniture industry. It is mainly used in home & office furniture, bedding, mattresses, pillows, seating, and carpet underlay. Packaging and automotive are other growing end-use industries for flexible foams. Flexible polyurethane foams help automobile manufacturers with weight reduction, vibration absorption, fuel efficiency, and durability of vehicles. As cushioning materials, flexible polyurethane foams provide support, resiliency, comfort, durability, and handling strength. All of these benefits result in better gas mileage and a more comfortable ride. The demand growth of flexible polyurethane

foams is expected to be driven by increasing energy efficiency requirements globally, as the governments and organizations have to comply with international norms and regulations.

“Construction is estimated to be the largest end-use industry of Polyurethane market between 2021 and 2026.”

Polyurethane finds multiple applications in the construction industry. Flexible and semi-rigid foams are used in paints, coatings, and adhesives. These products are extensively used in construction. Rigid foams are widely used as structural and insulation foams in buildings. Construction has the largest share in the polyurethane market. Polyurethane finds high demand for building or remodeling homes, offices, and other buildings. The high demand is backed by its lightweight, ease of installation, durability, reliability, and versatile nature. The most important application of polyurethane in buildings is insulation. The rigid foam has unique insulating properties that make it ideal for walls and roofs of new homes and remodeling of existing homes. Insulation is usually required in cavity walls, roofs, floors, around pipes, and boilers. Polyurethane is an affordable, durable, and safe method of reducing carbon emissions that lead to global warming. Polyurethane can dramatically reduce heat loss in homes and offices in cold weather. During summer, they play an important role in keeping buildings cool, reducing the need for air conditioning.

“APAC is estimated to be the largest MDI, TDI & Polyurethane market during the forecast period, in terms of value and volume.”

Asia-Pacific is one of the most crucial markets of MDI, TDI, and Polyurethane. In terms of global plastic consumption. Owing to the current economic conditions in mature markets such as the U.S. and Western Europe and rapidly increasing domestic consumption, Asia-Pacific has emerged as the leading producer as well as consumer of MDI, TDI, and polyurethane. The construction and bedding & furniture sectors of the region have a leading share in the polyurethane market. Transportation, automotive, and footwear manufacturers are setting up or expanding their manufacturing bases in this region to leverage from the low manufacturing cost. China dominates the MDI, TDI, and polyurethane market in Asia-Pacific. The growing construction industry in the country as well as rebound in construction activities are the main drivers for the MDI, TDI, and polyurethane market.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were

conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 45%, Tier 2 - 30%, and Tier 3 - 25%

By Designation: C-Level - 46%, Director Level - 25%, and Others - 29%

By Region: North America - 27%, Europe - 27%, APAC - 33%, South America - 7%, and Middle East & Africa - 6%,

The key market players profiled in the report include BASF SE (Germany), The Dow Chemical Company (US), DuPont De Nemours, Inc. (US), Huntsman Corporation (US), Covestro AG (Germany), LANXESS AG (Germany), Mitsui Chemicals Inc. (Japan), Wanhua Chemical Group Co. Ltd. (China), and Woodbridge Foam Corporation (Canada).

## Research Coverage

This report segments the market for MDI, TDI & Polyurethane on the basis of application, end-use industry, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for MDI, TDI & Polyurethane.

## Reasons to buy this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the MDI, TDI & Polyurethane market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

**Market Penetration:** Comprehensive information on MDI, TDI & Polyurethane offered by top players in the global MDI, TDI & Polyurethane market

**Product Development/Innovation:** Detailed insights on upcoming technologies,

research & development activities, and new product launches in the MDI, TDI & Polyurethane market

**Market Development:** Comprehensive information about lucrative emerging markets — the report analyzes the markets for MDI, TDI & Polyurethane across regions

**Market Diversification:** Exhaustive information about new products, untapped regions, and recent developments in the global MDI, TDI & Polyurethane market

**Competitive Assessment:** In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the MDI, TDI & Polyurethane market

**Impact of COVID-19 on MDI, TDI & Polyurethane Market**

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\*Details on Business Overview, Company overview, Products Offered, New Product Launch, winning imperatives, Recent Developments, current focus and strategies, threat from competitors, right to win might not be captured in case of unlisted companies.

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