

# **Global Petrochemicals & Polymers Market by Country (United States, Canada, India, China, Japan, United Kingdom), Company Profiles, Share, Trends, Analysis, Size, Opportunities, Segmentation and Forecast 2015 – 2021**

<https://marketpublishers.com/r/G91B47A1104EN.html>

Date: September 2015

Pages: 140

Price: US\$ 4,000.00 (Single User License)

ID: G91B47A1104EN

## **Abstracts**

Polyurethane is polymer made from monomer units of urethane (carbamate). Polyurethanes are versatile material which can be converted in various forms such as thermosetting plastics, thermoplastics and synthetic rubber (elastomer). Most of polyurethanes are thermosetting plastics which do not melt when heated. Most commonly polyurethanes are made by the reaction of polyol and polyisocyanate. Commercially methylene diphenyl diisocyanate (MDI) and diisocyanate (TDI) are used for production of polyurethanes. Different types of polyurethanes are available in the market such as flexible polyurethane foam, rigid polyurethane foam, thermoplastic polyurethanes and polyurethane binders for variety of applications such as Automotive, building & construction, Footwear, furniture & bedding, Electronics and many other applications.

Raw materials used for the production of polyurethanes are polyol and isocyanates. These materials are petrochemicals which are derived from the crude oil. TDI and MDI are the commonly used Isocyanates in the market.

There are many big players who are into the MDI, TDI and polyol market such as BASF, Bayer, Dow Chemicals, Sadara group and many more. Supply of raw material is a factor for the production of polyurethanes. In the market there is oversupply of the raw materials therefore the market is competitive. Asia Pacific is the largest supplier of raw material for the production of polyurethanes. There is no issue with supply of the raw material however the price of raw material is not stable due to fluctuation in crude oil

price. These raw materials are derived from the crude oil therefore the fluctuation in oil price is a big concern here.

The two major application areas that show significant benefits in terms of energy efficiency from polyurethane are construction and transportation. In building and construction use of Polyurethane in polyurethane roof and wall insulation, wall and window insulation and pipe insulation ensures that temperatures are maintained. Use of Polyurethane in cars and trucks leads to a reduction in vehicle weight, and therefore provides greater fuel economy. Polyurethane thermal insulation in refrigerators, freezers, water heaters and other such appliances, requires less energy to power these units.

### **Companies profiled include**

- 1 BASF
- 2 Dow Chemicals
- 3 Bayer
- 4 Saudi Basic Industries Corporation
- 5 Lyondell Basell Industries
- 6 DuPont
- 7 Lanxess
- 8 China National Petroleum Corporation
- 9 Braskem
- 10 Aryasol
- 11 Indian Petrochemicals Corporation Limited
- 12 INEOS,
- 13 Formosa Plastics
- 14 Akzo Nobel/Imperial Chemical Industries
- 15 Evonik Industries
- 16 Asahi Kasei,
- 17 Toray Industries,
- 18 Chevron Phillips
- 19 PPG Industries,
- 20 Shin-Etsu Chemical
- 21 PTT Group
- 22 Cargill
- 23 Mitsubishi Chemical
- 24 Rogers Corporation
- 25 PolyOne Corporation

- 26 Lotte Chemical
- 27 Total petrochemical
- 28 Hitachi Chemical
- 29 Lanxess
- 30 Arkem

### **This Occams Research Report covers**

1. Historical data
2. Revenue forecasts, growth rates and CAGR upto 2021
3. Industry Analysis
4. Competitive Analysis
5. Key geographic growth data
6. Deep profiles top competitive companies

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- 8. Rectiel SA
- 9. Woodbridge Foam Corporation
- 10. Lyondell Basell Industries
- 11. Carpenter Co

12. Chemtura Corporation
13. Eurofoam
14. Yantai Wanhua
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16. Mobay Chemical Company
17. Hennecke GmbH Polyurethane Technology
18. Beamech Group Limited
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