

# Global Petrochemicals & Polymers Market Insights, Opportunity Analysis, Market Shares and Forecast 2016 – 2022

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## 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 a 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 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 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 2022
3. Industry Analysis
4. Competitive Analysis
5. Key geographic growth data
6. Deep profiles top competitive companies

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. MARKET OVERVIEW**

- 2.1. Market Definition
- 2.2. Value Chain Analysis
- 2.3. Strategic Recommendation

### **3. MARKET DETERMINANTS**

- 3.1. Market Drivers
  - 3.1.1. Extensive use in automotives & furniture industry
  - 3.1.2. Multiple utility due to varied properties
  - 3.1.3. Increasing demand for energy efficiency
- 3.2. Market Restraints
  - 3.2.1. Environmental Issues
  - 3.2.2. Industry moving towards bio based PU
- 3.3. Market Opportunities
  - 3.3.1. High cost of metals
  - 3.3.2. Increasing demand for polyurethane foam in Asia Pacific
- 3.4. Market Challenges

### **4. MARKET SHARE ANALYSIS**

- 4.1. Key Company Analysis
- 4.2. Key Strategies

### **5. MARKET SEGMENTATION**

- 5.1. Market Segmentation by type
  - 5.1.1. Flexible Foam
  - 5.1.2. Rigid Foam
  - 5.1.3. PU Coating
  - 5.1.4. Adhesive & Sealants
  - 5.1.5. Elastomers
  - 5.1.6. Binders
- 5.2. Market Segmentation by application

- 5.2.1. Automotives
- 5.2.2. Building & Construction
- 5.2.3. Foot ware
- 5.2.4. Furniture & Bedding
- 5.2.5. Electronics
- 5.2.6. Others

## **6. POLYURETHANE MARKET BY GEOGRAPHY**

### 6.1. North America

- 6.1.1. USA
- 6.1.2. Canada

### 6.2. Asia Pacific

- 6.2.1. Japan
- 6.2.2. China
- 6.2.3. India
- 6.2.4. Thailand
- 6.2.5. RoAPAC

### 6.3. Europe

- 6.3.1. Germany
- 6.3.2. France
- 6.3.3. UK
- 6.3.4. RoE

### 6.4. ROW

- 6.4.1. Brazil

## **7. COMPANY PROFILING**

### **1. BASF AG**

### **2. BAYER AG**

### **3. BRITISH VITA UNLIMITED**

### **4. THE DOW CHEMICAL COMPANY**

### **5. FXI – FOAMEX INNOVATIONS**

### **6. HUNTSMAN POLYURETHANES**

**7. MITSUI CHEMICALS INC.**

**8. RECTIEL SA**

**9. WOODBRIDGE FOAM CORPORATION**

**10. LYONDELL BASELL INDUSTRIES**

**11. CARPENTER CO**

**12. CHEMTURA CORPORATION**

**13. EUROFOAM**

**14. YANTAI WANHUA**

**15. ROGERS CORPORATION**

**16. MOBAY CHEMICAL COMPANY**

**17. HENNECKE GMBH POLYURETHANE TECHNOLOGY**

**18. BEAMECH GROUP LIMITED**

**19. ALBRECHT BÄUMER COMPANY GMBH & CO. KG**

**20. POLYONE CORPORATION**

**21. FORMOSA PLASTICS**

**22. MITSUBISHI CHEMICAL,**

**23. TORAY INDUSTRIES**

**24. CHEVRON PHILLIPS**

**25. PPG INDUSTRIES,**

**26. SHIN-ETSU CHEMICAL**

**27. INEOS,**

**28. SUMITOMO CHEMICAL**

**29. EXXONMOBIL**

## List Of Tables

### LIST OF TABLES

- 1 INNOVATIONS IN POLYURETHANE
- 2 GLOBAL POLYURETHANE MARKET BY TYPES 2014-2022 (\$ MILLION)
- 3 COMPARISON OF SPECIFIC HEAT CAPACITY OF DIFFERENT MATERIALS
- 4 GLOBAL POLYURETHANE MARKET BY APPLICATIONS IN 2014-2022 (\$ MILLION)
- 5 POLYURETHANE AUTOMOTIVE MARKET BY GEOGRAPHY 2014-2022 (\$ MILLION)
- 6 POLYURETHANE BUILDING & CONSTRUCTION MARKET BY GEOGRAPHY IN 2014-2022 (\$ MILLION)
- 7 POLYURETHANE FOOTWEAR MARKET BY GEOGRAPHY IN 2014-2022 (\$ MILLION)
- 8 POLYURETHANE FURNITURE & BEDDING MARKET BY GEOGRAPHY IN 2014-2022 (\$ MILLION)
- 9 POLYURETHANE ELECTRONICS MARKET BY GEOGRAPHY IN 2014-2022 (\$ MILLION)
- 10 POLYURETHANE ELECTRONICS MARKET IN 2014-2022 (\$ MILLION)
- 11 POLYURETHANE OTHER APPLICATIONS MARKET IN 2014-2022 (\$ MILLION)
- 12 GLOBAL PETROCHEMICAL & POLYMER MARKET BY GEOGRAPHY IN \$ BILLION (2013-2021)
- 13 POLYURETHANE MARKET IN ASIA PACIFIC 2014-2022 (\$ MILLION)
- 14 POLYURETHANE NORTH AMERICA MARKET 2014-2022 (\$ MILLION)
- 15 EUROPEAN PETROCHEMICAL & POLYMER MARKET 2014-2022 (\$ MILLION)



## List Of Figures

### LIST OF FIGURES

- 3 POLYURETHANE MARKET SHARE BY APPLICATIONS (%) IN 2014
- 4 FACTORS AFFECTING POLYURETHANE MARKET
- 5 VALUE CHAIN ANALYSIS
- 6 GROWTH OF DIFFERENT POLYMERS 2014-2022 (\$ MILLION)
- 15 GLOBAL PU FLEXIBLE FOAM MARKET 2014-2022 (\$ MILLION)
- 16 GLOBAL PU FLEXIBLE FOAM MARKET 2014-2022 (\$ MILLION)
- 17 PU COATING MARKET BY APPLICATIONS (%) IN 2013
- 18 GLOBAL PU COATING MARKET 2014-2022 (\$ MILLION)
- 19 GLOBAL PU ADHESIVES MARKET 2014-2022 (\$ MILLION)
- 21 GLOBAL POLYURETHANE ELASTOMER MARKET 2014-2022 (\$ MILLION)
- 22 POLYURETHANE AUTOMOBILE MARKET 2014-2022 (\$ MILLION)
- 23 POLYURETHANE BUILDING & CONSTRUCTION MARKET 2014-2022 (\$ MILLION)
- 24 POLYURETHANE FOOTWEAR MARKET 2014-2022 (\$ MILLION)
- 25 POLYURETHANE FURNITURE & BEDDING MARKET 2014-2022 (\$ MILLION)
- 26 CHINA POLYURETHANE MARKET IN 2014-2022 (\$ MILLION)
- 27 JAPAN POLYURETHANE MARKET 2014-2022 (\$ MILLION)
- 28 INDIAN POLYURETHANE MARKET 2014-2022 (\$ MILLION)
- 29 THAILAND POLYURETHANE MARKET 2014-2022 (\$ MILLION)
- 30 US POLYURETHANE MARKET IN 2014-2022 (\$ MILLION)
- 31 CANADA POLYURETHANE MARKET IN 2014-2022 (\$ MILLION)
- 32 GERMANY PETROCHEMICAL & POLYMER MARKET 2014-2022 (\$ MILLION)

### COMPANIES MENTIONED

- 1 BASF
- 2 Dow Chemicals
- 3 Bayer
- 4 Saudi Basic Industries Corporation
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- 13 Formosa Plastics
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- 15 Evonik Industries
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