

# The Global Market for Pentamethylene Diisocyanate (PDI) 2024-2034

<https://marketpublishers.com/r/G8F67569A77AEN.html>

Date: October 2023

Pages: 0

Price: US\$ 1,250.00 (Single User License)

ID: G8F67569A77AEN

## Abstracts

Pentamethylene diisocyanate (PDI) is a key intermediate for high-performance polyurethane products across a diverse set of industries. It possesses low viscosity liquid at room temperature and reacts with polyols to form polyurethanes. PDI provides flexibility, durability and weather resistance for applications including Polyurethane coatings, adhesives, sealants, elastomers; Flexible foam for furniture and bedding; and Automotive interiors and paints. Construction, furniture and automotive are major end use segments and there is an increasing shift towards bio-based production

This in-depth market research report provides a comprehensive analysis of the global Pentamethylene Diisocyanate (PDI) market. It outlines the key drivers fueling PDI demand, major production methods, applications across polyurethane coatings, flexible foams, adhesives and elastomers, regulatory landscape, sustainability initiatives, competitive environment, end-use industry trends, and future growth projections through 2034.

The Global Market for Pentamethylene Diisocyanate (PDI) 2024-2034 profiles all major PDI producers including BASF, Evonik, Vencorex, Asahi Kasei, Covestro, Wanhua Chemical and others. It provides detailed market segmentations including regional and end-use industry demand analysis and forecasts. Supply chain dynamics, procurement trends and pricing forecasts are provided.

The report includes 30+ charts, tables and info graphics analyzing global PDI volumes, revenues, growth trends, competitive landscape, emerging applications, green chemistry advances and strategic recommendations.

## Contents

### 1 RESEARCH METHODOLOGY

### 2 INTRODUCTION

- 2.1 Overview of PDI
- 2.2 The Global Polyurethanes (PUs) Market
- 2.3 Production
  - 2.3.1 Production processes
  - 2.3.2 Global production capacity
- 2.4 Regulatory Landscape
- 2.5 Sustainability & Green Chemistry
  - 2.5.1 Bio-based pentamethylene diisocyanate
    - 2.5.1.1 Feedstocks
- 2.6 Emerging Applications
- 2.7 Procurement & Pricing Trends
- 2.8 SWOT analysis
- 2.9 Growth Opportunities

### 3 MARKET OVERVIEW

- 3.1 Market demand drivers
- 3.2 Applications
  - 3.2.1 Polyurethane coatings
  - 3.2.2 Flexible foam
  - 3.2.3 Adhesives and sealants
  - 3.2.4 Elastomers
- 3.3 Competitive Landscape
- 3.4 Main players
- 3.5 End-use Industries
  - 3.5.1 Furniture
    - 3.5.1.1 Market drivers and trends
    - 3.5.1.2 Applications
  - 3.5.2 Automotive
    - 3.5.2.1 Market drivers and trends
    - 3.5.2.2 Applications
  - 3.5.3 Construction

- 3.5.3.1 Market drivers and trends
- 3.5.3.2 Applications
- 3.5.4 Packaging
  - 3.5.4.1 Market drivers and trends
  - 3.5.4.2 Applications
- 3.5.5 Textiles
  - 3.5.5.1 Market drivers and trends
  - 3.5.5.2 Applications
- 3.5.6 Electronics
  - 3.5.6.1 Market drivers and trends
  - 3.5.6.2 Applications
- 3.5.7 Other markets
- 3.6 Global market revenues 2018-2034
  - 3.6.1 Tons
  - 3.6.2 By end-use market
  - 3.6.3 By region
    - 3.6.3.1 North America
    - 3.6.3.2 Europe
    - 3.6.3.3 Asia Pacific
    - 3.6.3.4 Rest of World
- 3.7 Market Outlook
- 3.8 Market challenges

## **4 PRODUCER PROFILES 69 (12 COMPANY PROFILES)**

## **5 REFERENCES**

## List Of Tables

### LIST OF TABLES

Table 1. Properties of polyurethanes made with PDI.

Table 2. Global polyurethane market revenues 2018-234 (billions USD).

Table 3. Major production processes for Pentamethylene Diisocyanate (PDI).

Table 4. Estimated global production capacities for Pentamethylene Diisocyanate (PDI) by producer.

Table 5. Regulations impacting Pentamethylene Diisocyanate (PDI).

Table 6. Bio-based PDI feedstocks.

Table 7. Bio-based pentamethylene diisocyanate producers.

Table 8. Key emerging application areas for pentamethylene diisocyanate (PDI) based polyurethanes.

Table 9. Pentamethylene Diisocyanate (PDI) market demand drivers.

Table 10. Markets and applications for pentamethylene diisocyanate (PDI).

Table 11. Applications of pentamethylene diisocyanate (PDI) in the furniture industry.

Table 12. Applications of pentamethylene diisocyanate (PDI) in the automotive industry.

Table 13. Applications of pentamethylene diisocyanate (PDI) in the construction industry.

Table 14. Applications of pentamethylene diisocyanate (PDI) in the packaging industry.

Table 15. Applications of pentamethylene diisocyanate (PDI) in the textiles industry.

Table 16. Applications of pentamethylene diisocyanate (PDI) in the electronics industry.

Table 17. Other markets for pentamethylene diisocyanate (PDI).

Table 18. Global demand for Pentamethylene Diisocyanate (PDI), 2018-2034 (Tons).

Table 19. Global revenues for Pentamethylene Diisocyanate (PDI), 2018-2034 (Millions USD), by end-use market.

Table 20. Global revenues for Pentamethylene Diisocyanate (PDI), 2018-2034 (Millions USD), by region.

Table 21. Market challenges for pentamethylene diisocyanate (PDI) .

## List Of Figures

### LIST OF FIGURES

Figure 1. The structure of polyurethane.

Figure 2. Global polyurethane market revenues 2018-234 (billions USD).

Figure 3. 3D printed polyurethanes.

Figure 4. SWOT analysis for the pentamethylene diisocyanate (PDI) market.

Figure 5. Global demand for Pentamethylene Diisocyanate (PDI), 2018-2034 (Tons).

Figure 6. Global revenues for Pentamethylene Diisocyanate (PDI), 2018-2034 (Millions USD), by end-use market.

Figure 7. Global revenues for Pentamethylene Diisocyanate (PDI), 2018-2034 (Millions USD), by region.

## I would like to order

Product name: The Global Market for Pentamethylene Diisocyanate (PDI) 2024-2034

Product link: <https://marketpublishers.com/r/G8F67569A77AEN.html>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G8F67569A77AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970