

The Global Market for Polymer Foams 2022-2032

<https://marketpublishers.com/r/GD124935DF26EN.html>

Date: June 2022

Pages: 133

Price: US\$ 1,325.00 (Single User License)

ID: GD124935DF26EN

Abstracts

A polymer foam is a two-phase system that contains statistically distributed gas bubbles in a polymer matrix. Polymer foams can be rigid, flexible, or elastomeric, and can be produced from a wide range of polymers, such as polyurethane (PUR), polystyrene (PS), polyisocyanurate (PIR), polyethylene (PE), polypropylene (PP), poly(ethylene-vinyl acetate) (EVA), nitrile rubber (NBR), poly(vinyl chloride) (PVC), or other polyolefins. The market is dominated by PUR foams, followed by PS, PP and PVC foams. Innovations in materials and additives for polymer foams are spurring further growth in the market.

Polymer foam products possess advantages including low density, good heat and sound insulation, and excellent energy absorption (impact resistance) and consequently are used in a wide variety of applications. The market of polymer foams continues to grow, especially in developing countries, with global annual consumption of polymer foams exceeding 26 million tonnes. Polymer foams are extensively used in markets including automotive and transportation, building and construction, packaging, furniture, sports equipment, medical, aerospace etc.

The Global Market for Polymer Foams 2022-2032 covers a wide variety of markets and applications for foamed plastics as well as the broad range of processes and technologies that can be used to create and shape these materials. Report contents include:

Analysis of types of polymer foams including

Analysis of end user markets for polymer foams including automotive, construction, medical, packaging, sports and leisure and others.

Analysis of the global consumption of polymer foams, by types, markets and

regions, 2017-2032.

Analysis of market drivers and trends in polymer foams.

Analysis of recent developments in polymer foams including nanocomposite foams and biobased foams.

Profiles of 48 polymer foam producers. Companies profiled include Arkema, Armacell, BASF, Borealis, CellMat Technologies S.L., foamplant, Groam, Trocellen GmbH and Zotefoams plc

Contents

1 EXECUTIVE SUMMARY

- 1.1 Markets for polymer foams
- 1.2 Market trends and drivers
- 1.3 Global market for polymer foams, tonnes and revenues
 - 1.3.1 Global consumption in million tonnes, by type of polymer foam
 - 1.3.2 Global consumption in million tonnes, by market
 - 1.3.3 Global consumption in million tonnes, by region
- 1.4 Market and technology challenges
- 1.5 Sustainability in the polymer foam market

2 TYPES OF POLYMER FOAMS

- 2.1 Classification of polymer foams
- 2.2 Structural properties
- 2.3 Foaming processes
 - 2.3.1 Methods
- 2.4 Blowing agents
 - 2.4.1 Physical blowing agents
 - 2.4.2 Chemical blowing agents
 - 2.4.3 Expandable beads
- 2.5 Processing techniques
 - 2.5.1 Foam Extrusion Molding
 - 2.5.2 Foam Injection Molding
- 2.6 Recycling polymer foams
- 2.7 Recent technology developments
- 2.8 Polyurethane (PUR) foams
 - 2.8.1 Properties
 - 2.8.2 Markets and applications
 - 2.8.3 Global consumption of polyurethane foams 2017-2032 (tonnes)
- 2.9 Polystyrene (PS) foams
 - 2.9.1 Markets and applications
 - 2.9.2 Global consumption of polystyrene foams 2017-2032 (tonnes)
- 2.10 Polypropylene (PP) foams
 - 2.10.1 Markets and applications
 - 2.10.2 Global consumption of polypropylene foams 2017-2032 (tonnes)
- 2.11 Polyvinyl Chloride (PVC) Foams

- 2.11.1 Markets and applications
- 2.11.2 Global consumption of Polyvinyl Chloride foams 2017-2032 (tonnes)
- 2.12 Nitrile rubber (NBR) foams
- 2.13 Microcellular foam
- 2.14 Other foams
 - 2.14.1 Polyisocyanurate (PIR)
 - 2.14.2 Polyethylene (PE)
 - 2.14.3 Poly(ethylene-vinyl acetate) (EVA)
 - 2.14.4 Polyethersulfone (PESU)
- 2.15 Biobased polymer foams
- 2.16 Polymer bead foams
- 2.17 Polymer nanocomposite foams
 - 2.17.1 Carbon nanotubes
 - 2.17.2 Graphene
 - 2.17.3 Cellulose nanofibers

3 MARKETS FOR POLYMER FOAMS

- 3.1 Automotive
 - 3.1.1 Applications
 - 3.1.2 Global consumption of polymer foams in automotive (tonnes)
- 3.2 Building and construction
 - 3.2.1 Applications
 - 3.2.2 Global consumption of polymer foams in automotive (tonnes)
- 3.3 Medical
 - 3.3.1 Applications
 - 3.3.2 Global consumption of polymer foams in medical (tonnes)
- 3.4 Packaging
 - 3.4.1 Applications
 - 3.4.2 Global consumption of polymer foams in packaging (tonnes)
- 3.5 Sports and Leisure
 - 3.5.1 Applications
 - 3.5.2 Global consumption of polymer foams in sports and leisure (tonnes)
- 3.6 Other

4 PRODUCERS AND PRODUCT DEVELOPER PROFILES

5 AIMS AND OBJECTIVES OF THE STUDY

6 RESEARCH METHODOLOGY

6.1 Primary research

6.2 Secondary research

7 REFERENCES

List Of Tables

LIST OF TABLES

- Table 1. Market trends and drivers in polymer foams.
- Table 2. Global market for polymer foams, by type, 2017-2032 (million tonnes).
- Table 3. Global market for polymer foams, by market, 2017-2032 (million tonnes).
- Table 4. Global market for polymer foams, by region, 2017-2032 (million tonnes).
- Table 5. Advantages and Disadvantages of Polymeric Foams in Comparison to Solid Polymers.
- Table 6. Markets and applications of polyurethane foams.
- Table 7. Global consumption of polyurethane foams 2017-2032 (tonnes).
- Table 8. Markets and applications of Polystyrene foams.
- Table 9. Global consumption of polystyrene foams 2017-2032 (tonnes).
- Table 10. Markets and applications of polypropylene foams.
- Table 11. Global consumption of polypropylene foams 2017-2032 (tonnes).
- Table 12. Markets and applications of Polyvinyl Chloride foams.
- Table 13. Global consumption of Polyvinyl Chloride foams (tonnes).
- Table 14. Applications of polymer foams in the automotive sector.
- Table 15. Global consumption of polymer of foams in automotive (tonnes).
- Table 16. Applications of polymer foams in the construction sector.
- Table 17. Global consumption of polymer foams in building and construction (tonnes).
- Table 18. Applications of polymer foams in the medical sector.
- Table 19. Global consumption of polymer foams in medical (tonnes).
- Table 20. Applications of polymer foams in the packaging sector.
- Table 21. Global consumption of polymer foams in packaging (tonnes).
- Table 22. Applications of polymer foams in the sports and leisure sector.
- Table 23. Global consumption of polymer foams in sports and leisure (tonnes).
- Table 24. Other market applications of polymer foams.

List Of Figures

LIST OF FIGURES

- Figure 1. Global market for polymer foams, by type, 2017-2032 (million tonnes).
- Figure 2. Global market for polymer foams, by market, 2017-2032 (million tonnes).
- Figure 3. Global market for polymer foams, by region, 2017-2032 (million tonnes).
- Figure 4. Scanning electron microscope images of open-cell polyurethane ($\rho = 28 \text{ kg/m}^3$) and closed cell low-density polyethylene foam ($\rho = 24 \text{ kg/m}^3$).
- Figure 5. Schematic diagram of the foaming process.
- Figure 6. Global consumption of polyurethane foams 2017-2032 (tonnes).
- Figure 7. Global consumption of polystyrene foams 2017-2032 (tonnes).
- Figure 8. Global consumption of polypropylene foams 2017-2032 (tonnes).
- Figure 9. Global consumption of Polyvinyl Chloride foams (tonnes).
- Figure 10. Global consumption of polymer foams in automotive (tonnes).
- Figure 11. Global consumption of polymer foams in building and construction (tonnes).
- Figure 12. Global consumption of polymer foams in medical (tonnes).
- Figure 13. Polymer foam cushion curves in packaging.
- Figure 14. Global consumption of polymer foams in packaging (tonnes).
- Figure 15. Global consumption of polymer foams in sports and leisure (tonnes).

I would like to order

Product name: The Global Market for Polymer Foams 2022-2032

Product link: <https://marketpublishers.com/r/GD124935DF26EN.html>

Price: US\$ 1,325.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD124935DF26EN.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