

Global Aerospace Foam Market Size Study & Forecast, By Type (Polyurethane Foam, Polyethylene Foam, Ceramic Foam, Metal Foam, Others), By Application (General Aviation, Commercial Aircraft, Military), and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G433CADE52A5EN.html>

Date: April 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G433CADE52A5EN

Abstracts

Global Aerospace Foam Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Aerospace foam is a class of lightweight materials specifically designed and manufactured for use in various aerospace applications. These foams are engineered to meet the stringent requirements of the aerospace industry, including high strength-to-weight ratios, fire resistance, thermal insulation, and resistance to harsh environmental conditions. Aerospace foam materials find widespread application in both commercial and military aircraft, as well as spacecraft and satellites. Moreover, the rising demand for lightweight and fuel-efficient aircraft, the growing aerospace industry, and the increasing adoption of composite materials are anticipated to create a lucrative demand for the market during the forecast period 2023-2030.

Additionally, the rising demand for air travel leads to increased orders for commercial and private aircraft. This, in turn, boosts the production of aerospace foam used in various components such as seating, insulation, and interior panels. In March 2023, the International Air Transport Association (IATA) reported robust growth in air travel demand. Global traffic, measured by revenue passenger kilometers (RPKs), surged by 52.4% compared to March 2022, reaching 88.0% of pre-pandemic levels. Domestic travel saw a notable increase of 34.1% year-over-year, with March 2023 figures almost reaching parity with March 2019 levels, standing at 98.9%. As a result, the growing air traffic globally is anticipated to support the market growth. Moreover, the rising air passenger traffic are anticipated to create a lucrative opportunity for the market.

However, the stringent regulations regarding the use of PU foams, and fluctuation in the price of raw materials stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Aerospace Foam Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increasing demand for lightweight materials, increased focus on passenger comfort and safety, and increasing focus on space exploration, including government initiatives and commercial ventures, creating opportunities for the aerospace foam market in the region. Whereas the Asia Pacific is expected to grow at the fastest growth rate during the forecast period, owing to factors such as the increasing air passenger traffic, growing expansion of the aerospace industry, rising demand for lightweight materials, and growing strategic partnerships and collaborations among market players.

Major market players included in this report are:

Zetofoms Plc

Huntsman Corporation

Erg Materials

General Plastics Manufacturing Company

Rogers Corporation

Boyd Corporation

Armacell

BASF SE

Saudi Basic Industries Corporation

Evonik Industries

Recent Developments in the Market:

In March 2022, Evonik Industries AG announced intentions to invest in a cutting-edge facility for producing ROHACELL foams. These foams are pivotal as core materials for sandwich composite products utilized across various sectors like aerospace, automotive, and medical industries. The new manufacturing facility in Darmstadt, Germany, showcases Evonik's dedication to developing innovative solutions and serving the wide-ranging needs of various industries.

Global Aerospace Foam Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Polyurethane Foam

Polyethylene Foam

Ceramic Foam

Metal Foam

Others

By Application:

General Aviation

Commercial Aircraft

Military

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Aerospace Foam Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Aerospace Foam Market, by Type, 2020-2030 (USD Billion)
 - 1.2.3. Aerospace Foam Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL AEROSPACE FOAM MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL AEROSPACE FOAM MARKET DYNAMICS

- 3.1. Aerospace Foam Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising Demand for Lightweight and Fuel-Efficient Aircraft
 - 3.1.1.2. Growing Aerospace Industry
 - 3.1.1.3. Increasing Adoption of Composite Materials
 - 3.1.2. Market Challenges
 - 3.1.2.1. Stringent Regulations Regarding Use of PU Foams
 - 3.1.2.2. Fluctuation in Price of Raw Materials
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing Research and Development Efforts in Aerospace Foam
 - 3.1.3.2. Rising Air Passenger Traffic

CHAPTER 4. GLOBAL AEROSPACE FOAM MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL AEROSPACE FOAM MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Aerospace Foam Market by Type, Performance - Potential Analysis
- 5.3. Global Aerospace Foam Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Aerospace Foam Market, Sub Segment Analysis
 - 5.4.1. Polyurethane Foam
 - 5.4.2. Polyethylene Foam
 - 5.4.3. Ceramic Foam
 - 5.4.4. Metal Foam
 - 5.4.5. Others

CHAPTER 6. GLOBAL AEROSPACE FOAM MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Aerospace Foam Market by Application, Performance - Potential Analysis
- 6.3. Global Aerospace Foam Market Estimates & Forecasts by Application 2020-2030 (USD Billion)

6.4. Aerospace Foam Market, Sub Segment Analysis

- 6.4.1. General Aviation
- 6.4.2. Commercial Aircraft
- 6.4.3. Military

CHAPTER 7. GLOBAL AEROSPACE FOAM MARKET, REGIONAL ANALYSIS

7.1. Top Leading Countries

7.2. Top Emerging Countries

7.3. Aerospace Foam Market, Regional Market Snapshot

7.4. North America Aerospace Foam Market

7.4.1. U.S. Aerospace Foam Market

7.4.1.1. Type breakdown estimates & forecasts, 2020-2030

7.4.1.2. Application breakdown estimates & forecasts, 2020-2030

7.4.2. Canada Aerospace Foam Market

7.5. Europe Aerospace Foam Market Snapshot

7.5.1. U.K. Aerospace Foam Market

7.5.2. Germany Aerospace Foam Market

7.5.3. France Aerospace Foam Market

7.5.4. Spain Aerospace Foam Market

7.5.5. Italy Aerospace Foam Market

7.5.6. Rest of Europe Aerospace Foam Market

7.6. Asia-Pacific Aerospace Foam Market Snapshot

7.6.1. China Aerospace Foam Market

7.6.2. India Aerospace Foam Market

7.6.3. Japan Aerospace Foam Market

7.6.4. Australia Aerospace Foam Market

7.6.5. South Korea Aerospace Foam Market

7.6.6. Rest of Asia Pacific Aerospace Foam Market

7.7. Latin America Aerospace Foam Market Snapshot

7.7.1. Brazil Aerospace Foam Market

7.7.2. Mexico Aerospace Foam Market

7.8. Middle East & Africa Aerospace Foam Market

7.8.1. Saudi Arabia Aerospace Foam Market

7.8.2. South Africa Aerospace Foam Market

7.8.3. Rest of Middle East & Africa Aerospace Foam Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Zetofoams Plc
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. Huntsman Corporation
 - 8.3.3. Erg Materials
 - 8.3.4. General Plastics Manufacturing Company
 - 8.3.5. Rogers Corporation
 - 8.3.6. Boyd Corporation
 - 8.3.7. Armacell
 - 8.3.8. Basf Se
 - 8.3.9. Saudi Basic Industries Corporation
 - 8.3.10. Evonik Industries

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Aerospace Foam Market, report scope

TABLE 2. Global Aerospace Foam Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global Aerospace Foam Market estimates & forecasts by Type 2020-2030 (USD Billion)

TABLE 4. Global Aerospace Foam Market estimates & forecasts by Application 2020-2030 (USD Billion)

TABLE 5. Global Aerospace Foam Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 6. Global Aerospace Foam Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 7. Global Aerospace Foam Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Aerospace Foam Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Aerospace Foam Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Aerospace Foam Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Aerospace Foam Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Aerospace Foam Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Aerospace Foam Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Aerospace Foam Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. U.S. Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 17. U.S. Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. Canada Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Aerospace Foam Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 59. Brazil Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 60. Mexico Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 62. Mexico Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 63. RoLA Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 65. RoLA Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Aerospace Foam Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 68. RoMEA Aerospace Foam Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of Global Aerospace Foam Market

TABLE 70. List of primary sources, used in the study of Global Aerospace Foam Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Aerospace Foam Market, research methodology
 - FIG 2. Global Aerospace Foam Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Aerospace Foam Market, key trends 2022
 - FIG 5. Global Aerospace Foam Market, growth prospects 2023-2030
 - FIG 6. Global Aerospace Foam Market, porters 5 force model
 - FIG 7. Global Aerospace Foam Market, pest analysis
 - FIG 8. Global Aerospace Foam Market, value chain analysis
 - FIG 9. Global Aerospace Foam Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Aerospace Foam Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Aerospace Foam Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Aerospace Foam Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Aerospace Foam Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Aerospace Foam Market, regional snapshot 2020 & 2030
 - FIG 15. North America Aerospace Foam Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Aerospace Foam Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia Pacific Aerospace Foam Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Aerospace Foam Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Aerospace Foam Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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