

Expanded Polyethylene (EPE) Foam Market Report and Forecast 2025-2034

Market Report | 2025-08-11 | 171 pages | EMR Inc.

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Report description:

The global expanded polyethylene (EPE) foam market size reached USD 1162.43 Million in 2024. The market is further projected to grow at a CAGR of 6.00% between 2025 and 2034 to reach value of around USD 2081.74 Million by 2034.

EPE foam, a versatile cellular plastic, is made by expanding and extruding polyethylene resin. This process yields a material that is pliable, durable, lightweight and possesses impressive cushioning properties. Due to these distinctive attributes, it finds a wide array of applications across various industries.

According to the global expanded polyethylene (EPE) foam market report, EPE foam, used across construction, sports, automotive, packaging, and healthcare, protects fragile items during transit, reducing damage from shocks. Its moisture resistance and insulation benefit temperature-sensitive goods, while in construction, it insulates for sound and heat absorption. In automotive, it enhances safety by absorbing impacts.

India is the world's third-largest automobile market, per the National Investment Promotion and Facilitation Agency. Between April 2021 to March 2022, the industry manufactured a combined 22.93 million vehicles, encompassing passenger vehicles, commercial vehicles, three-wheelers, two-wheelers, and quadricycles, thus boosting the global expanded polyethylene (EPE) foam market growth.

Key Trends and Developments

The expanding global expanded polyethylene (EPE) foam market is driven by sustainable innovation, customization, enhanced performance, and integration within the e-commerce sector.

February 2024

EPS, composed of 98% air, led in packaging and insulation, promoting a circular economy with full recyclability. It shielded

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electronics and transported food safely. The Pod Stewardship Code of Conduct and StyroCycle program advanced EPS recycling in Australia.

December 2023

EPE foam sheets from The Foamex Group played a key role in an artistic outdoor installation at Adelaide Zoo, featuring illuminated animal sculptures, including giraffes, pandas, and colourful skins.

July 2023

Foamex, a top supplier of expanded and extruded polystyrene construction materials, announced the partnership with EPSA's StyroCycle, for recycling EPS for new products like building insulation.

May 2021

ARPLANK, a novel foam introduced in Europe, is a durable closed-cell material made from expanded polyethylene (EPE) bead foam. It finds applications in packaging, cushioning, dunnage, thermal management, and flotation.

Sustainable Innovation

As per the global expanded polyethylene (EPE) foam market analysis, EPE foam manufacturers are increasingly embracing sustainable methods, utilizing eco-friendly materials and processes to address environmental issues, consequently driving the industry.

Customization & Versatility

The global expanded polyethylene (EPE) foam market developments are attributed to the rising demand for customized solutions that propel innovation, providing a wide array of customizable shapes, sizes, and densities to cater to various needs across industries such as packaging and automotive.

Enhanced Performance

Advancements in EPE foam technology focus on improving shock absorption, thermal insulation, and durability, catering to evolving needs in sectors such as healthcare and construction. This drives the market, satisfying varied industry needs with enhanced features and performance capabilities.

Integration in E-commerce

The surge in online shopping has resulted in extensive adoption of EPE foam for packaging, ensuring the safe transport of products and reducing its ecological footprint.

Global Expanded Polyethylene (EPE) Foam Market Trends

According to the global expanded polyethylene (EPE) foam market study, EPE foam manufacturers respond to strict packaging regulations by developing products that meet safety and recyclability criteria, aligning with evolving sustainability standards.

Industries handling temperature-sensitive items, such as food, pharmaceuticals, and electronics, prefer EPE foam due to its

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excellent thermal insulation properties.

Market Segmentation

"Global Expanded Polyethylene (EPE) Foam Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Market Breakup by Product

- EPE Foam Coil
- EPE Foam Sheet
- Others

Market Breakup by Application

- Protective Packaging
- Industrial Thermal Insulation
- Mattresses
- Automotive
- Building and Construction
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Due to its versatility in providing flexible packaging solutions adaptable to diverse product shapes and sizes, EPE foam coils are contributing to the growth of the global expanded polyethylene (EPE) foam market

EPE foam coils provide superb cushioning for delicate items in transit, offering cost-effective, reusable, and moisture-resistant packaging solutions that prioritize safety and sustainability.

EPE foam sheets, easily tailored, deliver superior cushioning and insulation for delicate objects, combining lightweight, durable qualities for cost-effective and dependable protection during storage or transport.

Based on application, the global expanded polyethylene (EPE) foam market share is led by protective packaging as it excels in cushioning fragile items, minimizing the potential for damage during transit or handling

EPE foam provides customized protection through its adaptable customization, resistance to moisture for extended storage, economical lightweight construction, sustainability through reuse, and insulation for temperature-sensitive items during transit.

According to the global expanded polyethylene (EPE) foam market report, in automotive uses, EPE foam enhances safety via impact absorption, boosts fuel efficiency due to its lightweight, diminishes cabin noise for passenger comfort, offers tailored

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protection through flexibility, exhibits durability against chemicals, and maintains consistent performance across diverse temperatures.

Global Expanded Polyethylene (EPE) Foam Market Analysis by Region

Based on region, the global expanded polyethylene (EPE) foam market share is led by Asia Pacific, driven by rapid industrial and urban growth. Countries like China, India, Japan, and South Korea are key players in the foam market, particularly in packaging applications. The thriving e-commerce industry boosts demand for EPE foam.

As per the International Trade Administration, the Chinese government plans to invest around 27 trillion yuan (\$4.2 trillion) in new infrastructure during the 14th Five-Year Plan period (2021-2025), which is expected to contribute to the market growth.

North America's EPE foam market is mature and technologically advanced, with robust demand in sectors such as furniture, bedding, and automotive, indicating a firmly established market presence.

Competitive Landscape

Market participants are actively contributing to the growth of the global expanded polyethylene (EPE) foam market by prominently showcasing EPE foam products for improved product safety and security.

KANEKA Corporation

KANEKA Corporation, a Japanese chemical manufacturer, KANEKA Corporation is renowned for its diverse product range, including EPE foam utilized across various applications for effective solutions.

Sonoco Products Company

Sonoco Products Company, headquartered in the USA, Sonoco Products Company specializes in offering EPE foam-based packaging solutions tailored to meet the needs of diverse industries.

TART s.r.o.

TART s.r.o. is a prominent manufacturer in the Czech Republic, that focuses on producing high-quality packaging materials such as EPE foam, catering to both regional and global markets with precision and excellence.

Other key players in the global expanded polyethylene (EPE) foam market are Flexipack Group, JSP Corporation, Long Future Co., Ltd, and VitaTex (Pty) Ltd among others.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices

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- 1.6 Recent Trends and Developments
- 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Expanded Polyethylene (EPE) Foam Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Expanded Polyethylene (EPE) Foam Historical Market (2018-2024)
 - 5.3 Global Expanded Polyethylene (EPE) Foam Market Forecast (2025-2034)
 - 5.4 Global Expanded Polyethylene (EPE) Foam Market by Product
 - 5.4.1 EPE Foam Coil
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.2 EPE Foam Sheet
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
 - 5.4.3 Others
 - 5.5 Global Expanded Polyethylene (EPE) Foam Market by Application
 - 5.5.1 Protective Packaging
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Industrial Thermal Insulation
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Mattresses
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
 - 5.5.4 Automotive
 - 5.5.4.1 Historical Trend (2018-2024)
 - 5.5.4.2 Forecast Trend (2025-2034)

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- 5.5.5 Building and Construction
 - 5.5.5.1 Historical Trend (2018-2024)
 - 5.5.5.2 Forecast Trend (2025-2034)
- 5.5.6 Others
- 5.6 Global Expanded Polyethylene (EPE) Foam Market by Region
 - 5.6.1 North America
 - 5.6.1.1 Historical Trend (2018-2024)
 - 5.6.1.2 Forecast Trend (2025-2034)
 - 5.6.2 Europe
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
 - 5.6.3 Asia Pacific
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)
 - 5.6.4 Latin America
 - 5.6.4.1 Historical Trend (2018-2024)
 - 5.6.4.2 Forecast Trend (2025-2034)
 - 5.6.5 Middle East and Africa
 - 5.6.5.1 Historical Trend (2018-2024)
 - 5.6.5.2 Forecast Trend (2025-2034)
- 6 North America Expanded Polyethylene (EPE) Foam Market Analysis
 - 6.1 United States of America
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 Canada
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe Expanded Polyethylene (EPE) Foam Market Analysis
 - 7.1 United Kingdom
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Germany
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
 - 7.3 France
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
 - 7.4 Italy
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
 - 7.5 Others
- 8 Asia Pacific Expanded Polyethylene (EPE) Foam Market Analysis
 - 8.1 China
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Japan
 - 8.2.1 Historical Trend (2018-2024)

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- 8.2.2 Forecast Trend (2025-2034)
- 8.3 India
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
- 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
- 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
- 8.6 Others
- 9 Latin America Expanded Polyethylene (EPE) Foam Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Others
- 10 Middle East and Africa Expanded Polyethylene (EPE) Foam Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Others
- 11 Market Dynamics
 - 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
 - 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry

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- 11.2.5 Threat of Substitutes
- 11.3 Key Indicators for Demand
- 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Competitive Landscape
 - 13.1 Supplier Selection
 - 13.2 Key Global Players
 - 13.3 Key Regional Players
 - 13.4 Key Player Strategies
 - 13.5 Company Profiles
 - 13.5.1 KANEKA Corporation
 - 13.5.1.1 Company Overview
 - 13.5.1.2 Product Portfolio
 - 13.5.1.3 Demographic Reach and Achievements
 - 13.5.1.4 Certifications
 - 13.5.2 Sonoco Products Company
 - 13.5.2.1 Company Overview
 - 13.5.2.2 Product Portfolio
 - 13.5.2.3 Demographic Reach and Achievements
 - 13.5.2.4 Certifications
 - 13.5.3 TART,s.r.o.
 - 13.5.3.1 Company Overview
 - 13.5.3.2 Product Portfolio
 - 13.5.3.3 Demographic Reach and Achievements
 - 13.5.3.4 Certifications
 - 13.5.4 Flexipack Group
 - 13.5.4.1 Company Overview
 - 13.5.4.2 Product Portfolio
 - 13.5.4.3 Demographic Reach and Achievements
 - 13.5.4.4 Certifications
 - 13.5.5 JSP Corporation
 - 13.5.5.1 Company Overview
 - 13.5.5.2 Product Portfolio
 - 13.5.5.3 Demographic Reach and Achievements
 - 13.5.5.4 Certifications
 - 13.5.6 Long Future Co., Ltd
 - 13.5.6.1 Company Overview
 - 13.5.6.2 Product Portfolio
 - 13.5.6.3 Demographic Reach and Achievements
 - 13.5.6.4 Certifications
 - 13.5.7 VitaTex (Pty) Ltd.
 - 13.5.7.1 Company Overview
 - 13.5.7.2 Product Portfolio
 - 13.5.7.3 Demographic Reach and Achievements
 - 13.5.7.4 Certifications
 - 13.5.8 Others

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