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Global Eco-friendly Blowing Agents Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Eco-friendly Blowing Agents market size is expected to reach $ 458 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

In 2025, global eco-friendly blowing agent production reached approximately 96 kilotons, the average price is 3500 usd/ton, The Eco-friendly blowing agent has strong surface activity, which can better contact with molecules in the air to form bubbles, and then achieve a good curing process to ensure the adhesion and sealing of the product.

Market Concentration and Key Players:

Internationally, the market concentration of environmental foaming agents is relatively high, mainly concentrated in developed countries such as Europe, America and Japan. For example, Kumyang Europe and Solvay and other large manufacturers; from the domestic point of view, there is still a lot of room for the development of environmentally friendly foaming agents.

Manufacturing Processes and Market Trends:

Environmentally friendly foaming agents are developing towards high efficiency and low pollution. The core of their production process lies in the use of innovative raw materials and precise control technologies, such as the use of palm oil and other bio-based raw materials instead of traditional petroleum-based compounds, or the application of supercritical carbon dioxide and other physical foaming technologies. These methods can significantly reduce volatile organic emissions, while optimizing the cell structure through nanotechnology to improve thermal insulation and mechanical properties. In

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terms of production process, the introduction of intelligent automatic control system realizes precise adjustment of temperature, pressure and raw material ratio, ensures uniform and stable decomposition of foaming agent, and reduces energy consumption and residue. For example, foaming efficiency is improved by modified calcium carbonate and crosslinking agent, so that cell density distribution is more consistent. In addition, the environmental protection process also pays attention to by-product management, such as neutralizing acidic by-products with carbonate to reduce ammonia nitrogen emissions to less than 300ppm, and treating wastewater through aeration technology to achieve green production closed-loop.

Market trends show that the demand for environmentally friendly blowing agents continues to grow driven by global carbon neutralization policies, especially in the fields of green buildings and new energy vehicles, where the performance and sustainability requirements for insulation materials are constantly increasing. Low-VOC, biodegradable types of products are rapidly replacing traditional blowing agents, such as polylactic acid-based foam materials in the packaging industry accelerated popularity, and oxidative biodegradation technology is also alleviating white pollution problems. Regionally, the Asian market is active, China enterprises increase market share through international cooperation, while Malaysia and other countries rely on palm oil resources to develop bio-based foaming agents to form regional competitiveness. Future directions will focus on balancing high performance with low cost, such as developing high temperature resistant foaming agents for aerospace components or promoting recycling of waste foam materials in conjunction with circular economy concepts.

This report studies the global Eco-friendly Blowing Agents production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Eco-friendly Blowing Agents and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Eco-friendly Blowing Agents that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Eco-friendly Blowing Agents total production and demand, 2021-2032, (Kilotons)
Global Eco-friendly Blowing Agents total production value, 2021-2032, (USD Million)
Global Eco-friendly Blowing Agents production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

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Global Eco-friendly Blowing Agents consumption by region & country, CAGR, 2021-2032 & (Kilotons)
U.S. VS China: Eco-friendly Blowing Agents domestic production, consumption, key domestic manufacturers and share
Global Eco-friendly Blowing Agents production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)
Global Eco-friendly Blowing Agents production by Chemistry, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)
Global Eco-friendly Blowing Agents production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Eco-friendly Blowing Agents market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include FSI, Kumyang, Solvay, Chemours, Arkema, HCS Group GmbH, Honeywell International, Linde Group, Marubeni, AGC Chemicals, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Eco-friendly Blowing Agents market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Kilotons) and average price (US$/Ton) by manufacturer, by Chemistry, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Eco-friendly Blowing Agents Market, By Region:

United States

China

Europe

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Japan

South Korea

ASEAN

India

Rest of World

Global Eco-friendly Blowing Agents Market, Segmentation by Chemistry:

Chemical Foaming Agent

Physical Blowing Agent

Surfactant

Global Eco-friendly Blowing Agents Market, Segmentation by Environmental:

Zero ODP

Low GWP

No Heavy Metal

Global Eco-friendly Blowing Agents Market, Segmentation by Process:

Continuous Foaming

For Extrusion Foaming

Spray Foaming

Global Eco-friendly Blowing Agents Market, Segmentation by Application:

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Building and Construction

Electrical and Electronics

Furniture and Bedding

Automotive

Footwear

Others

Companies Profiled:

FSI

Kumyang

Solvay

Chemours

Arkema

HCS Group GmbH

Honeywell International

Linde Group

Marubeni

AGC Chemicals

Haltermann Carless

Messer

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Nouryon

Dupont

Evonik

Guangzhou Yourun Synthetic Materials

Jiangsu Masyta Chemical

Key Questions Answered:

1. How big is the global Eco-friendly Blowing Agents market?
2. What is the demand of the global Eco-friendly Blowing Agents market?
3. What is the year over year growth of the global Eco-friendly Blowing Agents market?
4. What is the production and production value of the global Eco-friendly Blowing Agents market?
5. Who are the key producers in the global Eco-friendly Blowing Agents market?
6. What are the growth factors driving the market demand?

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