

Blowing Agent Market by Chemistry, Foaming Process, Type (Hydrochlorofluorocarbons (HCFC), Hydrofluorocarbons (HFCs), Hydrocarbons (HCS)), Foam (Polystyrene Foam, Phenolic Foam, Polyolefin Foam), and Region - Global Forecast to 2029

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Abstracts

The Blowing agent market is projected to reach USD 2.3 billion by 2029, at a CAGR of 5.5% from USD 1.8 billion in 2024. Growing awareness about energy efficiency and stringent building codes are driving the demand for high-performance insulation materials. Blowing agent play a crucial role in enhancing the thermal insulation properties of foam materials used in buildings, appliances, and automotive applications. Ongoing research and development efforts are leading to the introduction of innovative blowing agent formulations and manufacturing processes. Advances in technology are resulting in blowing agent with improved performance characteristics, such as higher thermal conductivity, fire resistance, and processing efficiency, which are expected to drive market growth.

“Based on foam type, polyolefin foam is expected to be the fastest growing market during the forecast period, in terms of value.”

Polyolefin foams are considered more environmentally friendly compared to traditional foam materials made with blowing agent like HCFCs or HFCs. They are recyclable and can be reused or repurposed, contributing to a circular economy and reducing waste generation. Polyolefin foams are cost-effective materials compared to some alternative blowing agent and foam materials. Their availability, ease of processing, and relatively low production costs make them attractive options for manufacturers seeking economical solutions without compromising on performance or environmental sustainability.

“Based on type, Hydrocarbons is the largest market during the forecast period, in terms of value.”

Hydrocarbons are compatible with existing foam production equipment and processes, minimizing the need for costly modifications or retooling. This compatibility simplifies the transition for manufacturers switching from other blowing agent to hydrocarbons. Hydrocarbon foams offer excellent thermal insulation properties, low flammability, and good mechanical strength, making them suitable for a wide range of applications where performance is critical.

“Based on region, Asia Pacific is the fastest growing market for blowing agent in 2022, in terms of value.”

The construction industry in Asia Pacific has witnessed robust growth driven by infrastructure development, urban expansion, and increasing investments in residential, commercial, and industrial projects. Blowing agent are widely used in construction materials such as insulation foam, sealants, and adhesives, contributing to the high demand for these products in the region.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 35%, Tier 2 - 45%, and Tier 3 - 20%

By Designation: C-Level - 35%, Director Level - 25%, and Others - 40%

By Region: North America - 30%, Europe - 20%, Asia Pacific - 40%, Middle East & Africa-5%, and Latin America-5%

The key players in this market are Honeywell International Inc. (US), Solvay (Belgium), Arkema (France), Exxon Mobil Corporation (US), Linde PLC (UK), Daikin Industries Ltd. (Japan), The Chemours Company (US), BASF SE (Germany), HCS Group (Germany), FSI (US), and Harp International Ltd. (UK).

Research Coverage

This report segments the blowing agent market based on type, foam, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products and services, key strategies, new product launches, expansions, and mergers and acquisitions associated with the blowing agent market.

Key benefits of buying this report

This research report focuses on various levels of analysis, including industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape, emerging and high-growth segments of the blowing agent market, high-growth regions, and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (Increase in demand for blowing agent in different end use industries, High growth in global polymeric foams market), restraints (Frequent changes in the choice of blowing agent according to environmental regulations, hindrance due to unwanted chemical reactions can lead hurdles in the production of blowing agent), opportunities (Innovations in performance advancements & eco-friendly blowing agent will create new opportunities in the market, technological advancements & research and development) and challenges (Environmental challenges, fluctuations in raw material costs and supply chain disruptions).

Market Penetration: Comprehensive information on the blowing agent market offered by top players in the global blowing agent market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the blowing agent market.

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for blowing agent market across regions.

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global blowing agent market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the blowing agent market

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