

Global Hydrofluorocarbons (HFC) Blowing Agent Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Hydrofluorocarbons (HFC) Blowing Agent market size was valued at US\$ 341 million in 2024 and is forecast to a readjusted size of USD 215 million by 2031 with a CAGR of -6.4% during review period.

Hydrofluorocarbons (HFC) Blowing Agent have been widely used as insulation foam blowing agents due to their technical performance, good insulation properties and low or non-flammability.

Hydrofluorocarbons (HFC) Blowing Agent market driver as below:

Regulatory Phase-Out of Ozone-Depleting Substances: The phase-out of ozone-depleting substances, such as chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs), has driven the adoption of alternative blowing agents like HFCs. HFCs do not contain chlorine and do not contribute to ozone depletion.

Energy Efficiency and Insulation Standards: The demand for energy-efficient buildings and products has led to increased usage of foam insulation in construction and manufacturing. HFC blowing agents are used in the production of foam insulation materials that help improve energy efficiency.

Construction Industry Growth: As the construction industry continues to grow, the need for effective insulation materials increases. HFC blowing agents are used in insulation applications for residential, commercial, and industrial buildings.

Global Refrigeration and Air Conditioning Demand: HFC blowing agents are commonly used in the production of rigid foam insulation materials for refrigeration and air conditioning systems, which are in high demand due to increased global urbanization and rising temperatures.

Consumer Electronics: HFC blowing agents are used in the production of thermal insulation materials for consumer electronics, such as smartphones, laptops, and appliances.

Automotive Industry: Foam insulation is used in automotive applications for noise reduction, thermal insulation, and weight reduction. The automotive industry's growth and increasing demand for electric vehicles drive the use of HFC blowing agents.

Rapid Urbanization: Growing urbanization and infrastructure development have led to increased demand for energy-efficient buildings and products, thereby driving the use of foam insulation materials and HFC blowing agents.

Environmental Considerations: HFCs have a lower global warming potential (GWP) compared to some of their predecessors, such as hydrochlorofluorocarbons (HCFCs). While not as environmentally friendly as some alternatives, HFCs have been considered as transitional solutions due to their lower GWP.

Product Innovation: Ongoing research and development efforts focus on creating more efficient and eco-friendly foam insulation materials that use HFC blowing agents.

International Agreements and Protocols: International agreements such as the Kigali Amendment to the Montreal Protocol aim to phase down the production and consumption of high-GWP HFCs, which may influence the adoption of alternative blowing agents in the long term.

Economic Growth: Economic growth and increased disposable income can lead to greater demand for products such as refrigerators, air conditioners, and automobiles, which use foam insulation materials containing HFC blowing agents.

Stringent Building Codes: Building codes and standards that emphasize energy efficiency and thermal performance drive the adoption of foam insulation materials, thus impacting the demand for HFC blowing agents.

Shift Towards Sustainable Practices: While HFCs have their environmental challenges, they are considered less harmful than some alternatives. The industry's focus on sustainability may lead to the exploration of more environmentally friendly alternatives over time.

This report is a detailed and comprehensive analysis for global Hydrofluorocarbons (HFC) Blowing Agent market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Hydrofluorocarbons (HFC) Blowing Agent market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Hydrofluorocarbons (HFC) Blowing Agent market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Hydrofluorocarbons (HFC) Blowing Agent market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Hydrofluorocarbons (HFC) Blowing Agent market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Hydrofluorocarbons (HFC) Blowing Agent

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Hydrofluorocarbons (HFC) Blowing Agent market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Honeywell, Arkema SA, Solvay SA, Linde, Daikin, Chemours, Harp International Ltd, etc.

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

Market Segmentation

Hydrofluorocarbons (HFC) Blowing Agent market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

HFC-245fa

HFC-134a

HFC-365mfc

Others

Market segment by Application

Architecture

Automobile

Home Appliance

Others

Major players covered

Honeywell

Arkema SA

Solvay SA

Linde

Daikin

Chemours

Harp International Ltd

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Hydrofluorocarbons (HFC) Blowing Agent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hydrofluorocarbons (HFC) Blowing Agent, with price, sales quantity, revenue, and global market share of Hydrofluorocarbons (HFC) Blowing Agent from 2020 to 2025.

Chapter 3, the Hydrofluorocarbons (HFC) Blowing Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hydrofluorocarbons (HFC) Blowing Agent breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Hydrofluorocarbons (HFC) Blowing Agent market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hydrofluorocarbons (HFC) Blowing Agent.

Chapter 14 and 15, to describe Hydrofluorocarbons (HFC) Blowing Agent sales channel, distributors, customers, research findings and conclusion.

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