

# Global HFO-1234yf Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G7657A99B4F0EN.html>

Date: January 2026

Pages: 93

Price: US\$ 4,480.00 (Single User License)

ID: G7657A99B4F0EN

## Abstracts

The global HFO-1234yf market size is expected to reach \$ 3663 million by 2032, rising at a market growth of 10.5% CAGR during the forecast period (2026-2032).

In recent years, with the intensification of global climate warming and the advancement of environmental regulations, the fourth-generation refrigerant HFO-1234yf has gradually emerged. As a substitute for R134a, HFO-1234yf can not only be used in automobile air conditioners, but also widely used in refrigerator refrigeration, heat transfer media, foaming agents and other fields, demonstrating its broad application prospects.

HFO-1234yf, a refrigerant known for its low GWP (global warming potential) properties, is suitable for large stationary and commercial refrigeration equipment, such as automotive air conditioners and refrigerators. It belongs to the hydrofluoroolefin (HFO) class of refrigerants, providing a new choice for environmentally friendly refrigeration.

R134a is the most widely used automotive air-conditioning refrigerant. However, as environmental protection regulations become increasingly strict, starting from 2017, new models in Europe and the United States have gradually used HFO-1234yf refrigerant to replace R134a. Compared with HFC-134a, HFO-1234yf, as a single working fluid refrigerant, has excellent environmental parameters, with a GWP of only 4, an ODP of 0, and the climate performance during its life cycle is also lower than that of HFC-134a.

Global key manufacturers of HFO-1234yf include Honeywell, Chemours and others. The top two producers together account for more than 99% of the market share, with the largest producer being Honeywell with 57%. The global origins are mainly located in North America and China, and North America is the largest production region, with a

share of 66%. In terms of product categories, automotive air conditioning has the largest market share, with a share of about 98%, while domestic refrigeration accounts for only 2%. In terms of applications, personal use is the top application area with a market share of 94%.

This report studies the global HFO-1234yf production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for HFO-1234yf 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 HFO-1234yf that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global HFO-1234yf total production and demand, 2021-2032, (MT)

Global HFO-1234yf total production value, 2021-2032, (USD Million)

Global HFO-1234yf production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)

Global HFO-1234yf consumption by region & country, CAGR, 2021-2032 & (MT)

U.S. VS China: HFO-1234yf domestic production, consumption, key domestic manufacturers and share

Global HFO-1234yf production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MT)

Global HFO-1234yf production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MT)

Global HFO-1234yf production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global HFO-1234yf 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 Honeywell, Chemours, 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 HFO-1234yf market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/Kg) by manufacturer, by Type, 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 HFO-1234yf Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global HFO-1234yf Market, Segmentation by Type:

Automotive Air Conditioning

## Domestic Refrigeration

### Global HFO-1234yf Market, Segmentation by Application:

Personal Use

Commercial

Others

### Companies Profiled:

Honeywell

Chemours

### **Key Questions Answered:**

1. How big is the global HFO-1234yf market?
2. What is the demand of the global HFO-1234yf market?
3. What is the year over year growth of the global HFO-1234yf market?
4. What is the production and production value of the global HFO-1234yf market?
5. Who are the key producers in the global HFO-1234yf market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 HFO-1234yf Introduction
- 1.2 World HFO-1234yf Supply & Forecast
  - 1.2.1 World HFO-1234yf Production Value (2021 & 2025 & 2032)
  - 1.2.2 World HFO-1234yf Production (2021-2032)
  - 1.2.3 World HFO-1234yf Pricing Trends (2021-2032)
- 1.3 World HFO-1234yf Production by Region (Based on Production Site)
  - 1.3.1 World HFO-1234yf Production Value by Region (2021-2032)
  - 1.3.2 World HFO-1234yf Production by Region (2021-2032)
  - 1.3.3 World HFO-1234yf Average Price by Region (2021-2032)
  - 1.3.4 North America HFO-1234yf Production (2021-2032)
  - 1.3.5 China HFO-1234yf Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 HFO-1234yf Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 HFO-1234yf Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World HFO-1234yf Demand (2021-2032)
- 2.2 World HFO-1234yf Consumption by Region
  - 2.2.1 World HFO-1234yf Consumption by Region (2021-2026)
  - 2.2.2 World HFO-1234yf Consumption Forecast by Region (2027-2032)
- 2.3 United States HFO-1234yf Consumption (2021-2032)
- 2.4 China HFO-1234yf Consumption (2021-2032)
- 2.5 Europe HFO-1234yf Consumption (2021-2032)
- 2.6 Japan HFO-1234yf Consumption (2021-2032)
- 2.7 South Korea HFO-1234yf Consumption (2021-2032)
- 2.8 ASEAN HFO-1234yf Consumption (2021-2032)
- 2.9 India HFO-1234yf Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World HFO-1234yf Production Value by Manufacturer (2021-2026)
- 3.2 World HFO-1234yf Production by Manufacturer (2021-2026)
- 3.3 World HFO-1234yf Average Price by Manufacturer (2021-2026)

- 3.4 HFO-1234yf Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global HFO-1234yf Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for HFO-1234yf in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for HFO-1234yf in 2025
- 3.6 HFO-1234yf Market: Overall Company Footprint Analysis
  - 3.6.1 HFO-1234yf Market: Region Footprint
  - 3.6.2 HFO-1234yf Market: Company Product Type Footprint
  - 3.6.3 HFO-1234yf Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: HFO-1234yf Production Value Comparison
  - 4.1.1 United States VS China: HFO-1234yf Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: HFO-1234yf Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: HFO-1234yf Production Comparison
  - 4.2.1 United States VS China: HFO-1234yf Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: HFO-1234yf Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: HFO-1234yf Consumption Comparison
  - 4.3.1 United States VS China: HFO-1234yf Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: HFO-1234yf Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based HFO-1234yf Manufacturers and Market Share, 2021-2026
  - 4.4.1 United States Based HFO-1234yf Manufacturers, Headquarters and Production Site (States, Country)
  - 4.4.2 United States Based Manufacturers HFO-1234yf Production Value (2021-2026)
  - 4.4.3 United States Based Manufacturers HFO-1234yf Production (2021-2026)
- 4.5 China Based HFO-1234yf Manufacturers and Market Share

- 4.5.1 China Based HFO-1234yf Manufacturers, Headquarters and Production Site (Province, Country)
- 4.5.2 China Based Manufacturers HFO-1234yf Production Value (2021-2026)
- 4.5.3 China Based Manufacturers HFO-1234yf Production (2021-2026)
- 4.6 Rest of World Based HFO-1234yf Manufacturers and Market Share, 2021-2026
  - 4.6.1 Rest of World Based HFO-1234yf Manufacturers, Headquarters and Production Site (State, Country)
  - 4.6.2 Rest of World Based Manufacturers HFO-1234yf Production Value (2021-2026)
  - 4.6.3 Rest of World Based Manufacturers HFO-1234yf Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

- 5.1 World HFO-1234yf Market Size Overview by Type: 2021 VS 2025 VS 2032
- 5.2 Segment Introduction by Type
  - 5.2.1 Automotive Air Conditioning
  - 5.2.2 Domestic Refrigeration
- 5.3 Market Segment by Type
  - 5.3.1 World HFO-1234yf Production by Type (2021-2032)
  - 5.3.2 World HFO-1234yf Production Value by Type (2021-2032)
  - 5.3.3 World HFO-1234yf Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World HFO-1234yf Market Size Overview by Application: 2021 VS 2025 VS 2032
- 6.2 Segment Introduction by Application
  - 6.2.1 Personal Use
  - 6.2.2 Commercial
  - 6.2.3 Others
- 6.3 Market Segment by Application
  - 6.3.1 World HFO-1234yf Production by Application (2021-2032)
  - 6.3.2 World HFO-1234yf Production Value by Application (2021-2032)
  - 6.3.3 World HFO-1234yf Average Price by Application (2021-2032)

## **7 COMPANY PROFILES**

- 7.1 Honeywell
  - 7.1.1 Honeywell Details
  - 7.1.2 Honeywell Major Business
  - 7.1.3 Honeywell HFO-1234yf Product and Services

7.1.4 Honeywell HFO-1234yf Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.1.5 Honeywell Recent Developments/Updates

7.1.6 Honeywell Competitive Strengths & Weaknesses

7.2 Chemours

7.2.1 Chemours Details

7.2.2 Chemours Major Business

7.2.3 Chemours HFO-1234yf Product and Services

7.2.4 Chemours HFO-1234yf Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.2.5 Chemours Recent Developments/Updates

7.2.6 Chemours Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

8.1 HFO-1234yf Industry Chain

8.2 HFO-1234yf Upstream Analysis

8.2.1 HFO-1234yf Core Raw Materials

8.2.2 Main Manufacturers of HFO-1234yf Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 HFO-1234yf Production Mode

8.6 HFO-1234yf Procurement Model

8.7 HFO-1234yf Industry Sales Model and Sales Channels

8.7.1 HFO-1234yf Sales Model

8.7.2 HFO-1234yf Typical Distributors

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World HFO-1234yf Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World HFO-1234yf Production Value by Region (2021-2026) & (USD Million)

Table 3. World HFO-1234yf Production Value by Region (2027-2032) & (USD Million)

Table 4. World HFO-1234yf Production Value Market Share by Region (2021-2026)

Table 5. World HFO-1234yf Production Value Market Share by Region (2027-2032)

Table 6. World HFO-1234yf Production by Region (2021-2026) & (MT)

Table 7. World HFO-1234yf Production by Region (2027-2032) & (MT)

Table 8. World HFO-1234yf Production Market Share by Region (2021-2026)

Table 9. World HFO-1234yf Production Market Share by Region (2027-2032)

Table 10. World HFO-1234yf Average Price by Region (2021-2026) & (USD/Kg)

Table 11. World HFO-1234yf Average Price by Region (2027-2032) & (USD/Kg)

Table 12. HFO-1234yf Major Market Trends

Table 13. World HFO-1234yf Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (MT)

Table 14. World HFO-1234yf Consumption by Region (2021-2026) & (MT)

Table 15. World HFO-1234yf Consumption Forecast by Region (2027-2032) & (MT)

Table 16. World HFO-1234yf Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key HFO-1234yf Producers in 2025

Table 18. World HFO-1234yf Production by Manufacturer (2021-2026) & (MT)

Table 19. Production Market Share of Key HFO-1234yf Producers in 2025

Table 20. World HFO-1234yf Average Price by Manufacturer (2021-2026) & (USD/Kg)

Table 21. Global HFO-1234yf Company Evaluation Quadrant

Table 22. World HFO-1234yf Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and HFO-1234yf Production Site of Key Manufacturer

Table 24. HFO-1234yf Market: Company Product Type Footprint

Table 25. HFO-1234yf Market: Company Product Application Footprint

Table 26. HFO-1234yf Competitive Factors

Table 27. HFO-1234yf New Entrant and Capacity Expansion Plans

Table 28. HFO-1234yf Mergers & Acquisitions Activity

Table 29. United States VS China HFO-1234yf Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China HFO-1234yf Production Comparison, (2021 & 2025 &

2032) & (MT)

Table 31. United States VS China HFO-1234yf Consumption Comparison, (2021 & 2025 & 2032) & (MT)

Table 32. United States Based HFO-1234yf Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers HFO-1234yf Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers HFO-1234yf Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers HFO-1234yf Production (2021-2026) & (MT)

Table 36. United States Based Manufacturers HFO-1234yf Production Market Share (2021-2026)

Table 37. China Based HFO-1234yf Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers HFO-1234yf Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers HFO-1234yf Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers HFO-1234yf Production, (2021-2026) & (MT)

Table 41. China Based Manufacturers HFO-1234yf Production Market Share (2021-2026)

Table 42. Rest of World Based HFO-1234yf Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers HFO-1234yf Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers HFO-1234yf Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers HFO-1234yf Production, (2021-2026) & (MT)

Table 46. Rest of World Based Manufacturers HFO-1234yf Production Market Share (2021-2026)

Table 47. World HFO-1234yf Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World HFO-1234yf Production by Type (2021-2026) & (MT)

Table 49. World HFO-1234yf Production by Type (2027-2032) & (MT)

Table 50. World HFO-1234yf Production Value by Type (2021-2026) & (USD Million)

Table 51. World HFO-1234yf Production Value by Type (2027-2032) & (USD Million)

Table 52. World HFO-1234yf Average Price by Type (2021-2026) & (USD/Kg)

- Table 53. World HFO-1234yf Average Price by Type (2027-2032) & (USD/Kg)
- Table 54. World HFO-1234yf Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 55. World HFO-1234yf Production by Application (2021-2026) & (MT)
- Table 56. World HFO-1234yf Production by Application (2027-2032) & (MT)
- Table 57. World HFO-1234yf Production Value by Application (2021-2026) & (USD Million)
- Table 58. World HFO-1234yf Production Value by Application (2027-2032) & (USD Million)
- Table 59. World HFO-1234yf Average Price by Application (2021-2026) & (USD/Kg)
- Table 60. World HFO-1234yf Average Price by Application (2027-2032) & (USD/Kg)
- Table 61. Honeywell Basic Information, Manufacturing Base and Competitors
- Table 62. Honeywell Major Business
- Table 63. Honeywell HFO-1234yf Product and Services
- Table 64. Honeywell HFO-1234yf Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 65. Honeywell Recent Developments/Updates
- Table 66. Honeywell Competitive Strengths & Weaknesses
- Table 67. Chemours Basic Information, Manufacturing Base and Competitors
- Table 68. Chemours Major Business
- Table 69. Chemours HFO-1234yf Product and Services
- Table 70. Chemours HFO-1234yf Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 71. Chemours Recent Developments/Updates
- Table 72. Chemours Competitive Strengths & Weaknesses
- Table 73. Global Key Players of HFO-1234yf Upstream (Raw Materials)
- Table 74. Global HFO-1234yf Typical Customers
- Table 75. HFO-1234yf Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. HFO-1234yf Picture

Figure 2. World HFO-1234yf Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World HFO-1234yf Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World HFO-1234yf Production (2021-2032) & (MT)

Figure 5. World HFO-1234yf Average Price (2021-2032) & (USD/Kg)

Figure 6. World HFO-1234yf Production Value Market Share by Region (2021-2032)

Figure 7. World HFO-1234yf Production Market Share by Region (2021-2032)

Figure 8. North America HFO-1234yf Production (2021-2032) & (MT)

Figure 9. China HFO-1234yf Production (2021-2032) & (MT)

Figure 10. HFO-1234yf Market Drivers

Figure 11. Factors Affecting Demand

Figure 12. World HFO-1234yf Consumption (2021-2032) & (MT)

Figure 13. World HFO-1234yf Consumption Market Share by Region (2021-2032)

Figure 14. United States HFO-1234yf Consumption (2021-2032) & (MT)

Figure 15. China HFO-1234yf Consumption (2021-2032) & (MT)

Figure 16. Europe HFO-1234yf Consumption (2021-2032) & (MT)

Figure 17. Japan HFO-1234yf Consumption (2021-2032) & (MT)

Figure 18. South Korea HFO-1234yf Consumption (2021-2032) & (MT)

Figure 19. ASEAN HFO-1234yf Consumption (2021-2032) & (MT)

Figure 20. India HFO-1234yf Consumption (2021-2032) & (MT)

Figure 21. Producer Shipments of HFO-1234yf by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 22. Global Four-firm Concentration Ratios (CR4) for HFO-1234yf Markets in 2025

Figure 23. Global Four-firm Concentration Ratios (CR8) for HFO-1234yf Markets in 2025

Figure 24. United States VS China: HFO-1234yf Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 25. United States VS China: HFO-1234yf Production Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: HFO-1234yf Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States Based Manufacturers HFO-1234yf Production Market Share 2025

Figure 28. China Based Manufacturers HFO-1234yf Production Market Share 2025

Figure 29. Rest of World Based Manufacturers HFO-1234yf Production Market Share 2025

Figure 30. World HFO-1234yf Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 31. World HFO-1234yf Production Value Market Share by Type in 2025

Figure 32. Automotive Air Conditioning

Figure 33. Domestic Refrigeration

Figure 34. World HFO-1234yf Production Market Share by Type (2021-2032)

Figure 35. World HFO-1234yf Production Value Market Share by Type (2021-2032)

Figure 36. World HFO-1234yf Average Price by Type (2021-2032) & (USD/Kg)

Figure 37. World HFO-1234yf Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 38. World HFO-1234yf Production Value Market Share by Application in 2025

Figure 39. Personal Use

Figure 40. Commercial

Figure 41. Others

Figure 42. World HFO-1234yf Production Market Share by Application (2021-2032)

Figure 43. World HFO-1234yf Production Value Market Share by Application (2021-2032)

Figure 44. World HFO-1234yf Average Price by Application (2021-2032) & (USD/Kg)

Figure 45. HFO-1234yf Industry Chain

Figure 46. HFO-1234yf Procurement Model

Figure 47. HFO-1234yf Sales Model

Figure 48. HFO-1234yf Sales Channels, Direct Sales, and Distribution

Figure 49. Methodology

Figure 50. Research Process and Data Source

## I would like to order

Product name: Global HFO-1234yf Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G7657A99B4F0EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7657A99B4F0EN.html>