

R-1234yf Refrigerant Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/RF610261B7BDEN.html>

Date: March 2025

Pages: 83

Price: US\$ 3,200.00 (Single User License)

ID: RF610261B7BDEN

Abstracts

R-1234yf Refrigerant Market Summary

Introduction

R-1234yf is a hydrofluoroolefin (HFO) refrigerant used in automotive, stationary HVAC, and refrigeration applications, valued for its low global warming potential (GWP) and energy efficiency. The market emphasizes environmental compliance, performance, and safety, driven by regulatory mandates phasing out high-GWP refrigerants like R-134a. It serves industries seeking sustainable cooling solutions, reflecting a sector shaped by climate policies and technological advancements. Key drivers include automotive adoption, increasing HVAC demand, and innovations in refrigerant production.

Market Size and Growth Forecast

The global R-1234yf refrigerant market is estimated at USD 0.8 to 1.2 billion in 2025, with a CAGR of 6.0% to 7.0% from 2025 to 2030, fueled by regulatory shifts and cooling needs.

Regional Analysis

North America: Holds 25-30% market share, with a growth rate of 5-6%. Growth is driven by automotive use, with the United States leading in vehicle adoption and Canada focusing on HVAC.

Europe: Accounts for 20-25% market share, with a growth rate of 5-6%. Demand from Germany and France supports stability, driven by stringent EU regulations.

Asia Pacific: Represents 35-40% market share, with a growth rate of 7-8%. China and Japan drive growth with automotive and refrigeration production.

Rest of the World: Holds 10-15% market share, growing at 6-7%, with Brazil leading

due to HVAC demand.

Trends in Europe focus on compliance, while Asia Pacific emphasizes scale.

Application Analysis

Automotive grows at 6-7%, driven by regulatory mandates, with trends toward R-1234yf in new vehicle AC systems improving efficiency. Stationary HVAC grows at 5-6%, fueled by commercial cooling needs, with trends toward adoption in chillers and heat pumps. Refrigeration grows at 5-6%, supporting cold storage, with trends toward use in low-GWP systems.

Key Market Players

Chemours: A leader in fluorochemicals, Chemours offers R-1234yf for automotive uses. Known for its high-performance, sustainable solutions, it serves global markets.

Honeywell: Honeywell provides R-1234yf for HVAC and refrigeration. It excels in delivering innovative, compliant refrigerants worldwide.

AGC: AGC supplies R-1234yf for regional needs. It focuses on reliable, efficient solutions for Asia's industries.

3F Zhonghao: 3F Zhonghao offers R-1234yf for refrigeration. Known for its scalable products, it supports China's market.

Juhua: Juhua provides R-1234yf for diverse applications. It excels in cost-effective, quality solutions for Asia.

Arkema: Arkema supplies R-1234yf for automotive and HVAC. Known for its sustainable, high-performance products, it serves Europe.

Navin Fluorine: Navin offers R-1234yf for regional uses. It focuses on practical, compliant solutions for India.

These companies compete on compliance, efficiency, and cost, driving the market through innovation.

Porter's Five Forces Analysis

The threat of new entrants is moderate due to regulatory and technical barriers.

Substitutes are low, with few low-GWP alternatives. Buyer power is medium, with OEMs negotiating. Supplier power is high due to patented production. Rivalry is high, pushing cost and performance.

Market Opportunities and Challenges

Opportunities

Regulatory mandates boosting R-1234yf adoption.

Advancements in production technology.

Expansion into emerging HVAC markets.

Challenges

High production costs limiting adoption.

Safety concerns requiring handling adjustments.

Market saturation in regulated regions requiring innovation.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method

CHAPTER 4 MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 R-1234Yf Refrigerant Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition
- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 TRADING ANALYSIS

- 8.1 Export of R-1234Yf Refrigerant by Region
- 8.2 Import of R-1234Yf Refrigerant by Region
- 8.3 Balance of Trade

CHAPTER 9 HISTORICAL AND FORECAST R-1234YF REFRIGERANT MARKET IN NORTH AMERICA (2020-2030)

- 9.1 R-1234Yf Refrigerant Market Size
- 9.2 R-1234Yf Refrigerant Demand by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Type Segmentation and Price
- 9.5 Key Countries Analysis
 - 9.5.1 United States
 - 9.5.2 Canada
 - 9.5.3 Mexico

CHAPTER 10 HISTORICAL AND FORECAST R-1234YF REFRIGERANT MARKET IN SOUTH AMERICA (2020-2030)

- 10.1 R-1234Yf Refrigerant Market Size
- 10.2 R-1234Yf Refrigerant Demand by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Type Segmentation and Price
- 10.5 Key Countries Analysis
 - 10.5.1 Brazil
 - 10.5.2 Argentina
 - 10.5.3 Chile
 - 10.5.4 Peru

CHAPTER 11 HISTORICAL AND FORECAST R-1234YF REFRIGERANT MARKET IN ASIA & PACIFIC (2020-2030)

- 11.1 R-1234Yf Refrigerant Market Size
- 11.2 R-1234Yf Refrigerant Demand by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Type Segmentation and Price
- 11.5 Key Countries Analysis
 - 11.5.1 China
 - 11.5.2 India
 - 11.5.3 Japan
 - 11.5.4 South Korea
 - 11.5.5 Southeast Asia
 - 11.5.6 Australia

CHAPTER 12 HISTORICAL AND FORECAST R-1234YF REFRIGERANT MARKET IN EUROPE (2020-2030)

- 12.1 R-1234Yf Refrigerant Market Size
- 12.2 R-1234Yf Refrigerant Demand by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Type Segmentation and Price
- 12.5 Key Countries Analysis
 - 12.5.1 Germany
 - 12.5.2 France
 - 12.5.3 United Kingdom
 - 12.5.4 Italy
 - 12.5.5 Spain
 - 12.5.6 Belgium
 - 12.5.7 Netherlands
 - 12.5.8 Austria
 - 12.5.9 Poland
 - 12.5.10 Russia

CHAPTER 13 HISTORICAL AND FORECAST R-1234YF REFRIGERANT MARKET IN MEA (2020-2030)

- 13.1 R-1234Yf Refrigerant Market Size
- 13.2 R-1234Yf Refrigerant Demand by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Type Segmentation and Price
- 13.5 Key Countries Analysis

- 13.5.1 Egypt
- 13.5.2 Israel
- 13.5.3 South Africa
- 13.5.4 Gulf Cooperation Council Countries
- 13.5.5 Turkey

CHAPTER 14 SUMMARY FOR GLOBAL R-1234YF REFRIGERANT MARKET (2020-2025)

- 14.1 R-1234Yf Refrigerant Market Size
- 14.2 R-1234Yf Refrigerant Demand by End Use
- 14.3 Competition by Players/Suppliers
- 14.4 Type Segmentation and Price

CHAPTER 15 GLOBAL R-1234YF REFRIGERANT MARKET FORECAST (2025-2030)

- 15.1 R-1234Yf Refrigerant Market Size Forecast
- 15.2 R-1234Yf Refrigerant Demand Forecast
- 15.3 Competition by Players/Suppliers
- 15.4 Type Segmentation and Price Forecast

CHAPTER 16 ANALYSIS OF GLOBAL KEY VENDORS

- 16.1 Chemours
 - 16.1.1 Company Profile
 - 16.1.2 Main Business and R-1234yf Refrigerant Information
 - 16.1.3 SWOT Analysis of Chemours
 - 16.1.4 Chemours R-1234yf Refrigerant Sales, Revenue, Price and Gross Margin
(2020-2025)
- 16.2 Honeywell
 - 16.2.1 Company Profile
 - 16.2.2 Main Business and R-1234yf Refrigerant Information
 - 16.2.3 SWOT Analysis of Honeywell
 - 16.2.4 Honeywell R-1234yf Refrigerant Sales, Revenue, Price and Gross Margin
(2020-2025)
- 16.3 AGC
 - 16.3.1 Company Profile
 - 16.3.2 Main Business and R-1234yf Refrigerant Information

16.3.3 SWOT Analysis of AGC	
16.3.4 AGC R-1234yf Refrigerant Sales, Revenue, Price and Gross Margin (2020-2025)	
16.4 3F Zhonghao	
16.4.1 Company Profile	
16.4.2 Main Business and R-1234yf Refrigerant Information	
16.4.3 SWOT Analysis of 3F Zhonghao	
16.4.4 3F Zhonghao R-1234yf Refrigerant Sales, Revenue, Price and Gross Margin (2020-2025)	
16.5 Juhua	
16.5.1 Company Profile	
16.5.2 Main Business and R-1234yf Refrigerant Information	
16.5.3 SWOT Analysis of Juhua	
16.5.4 Juhua R-1234yf Refrigerant Sales, Revenue, Price and Gross Margin (2020-2025)	
Please ask for sample pages for full companies list	
Tables and Figures	
Table Abbreviation and Acronyms List	
Table Research Scope of R-1234Yf Refrigerant Report	
Table Data Sources of R-1234Yf Refrigerant Report	
Table Major Assumptions of R-1234Yf Refrigerant Report	
Figure Market Size Estimated Method	
Figure Major Forecasting Factors	
Figure R-1234Yf Refrigerant Picture	
Table R-1234Yf Refrigerant Classification	
Table R-1234Yf Refrigerant Applications List	
Table Drivers of R-1234Yf Refrigerant Market	
Table Restraints of R-1234Yf Refrigerant Market	
Table Opportunities of R-1234Yf Refrigerant Market	
Table Threats of R-1234Yf Refrigerant Market	
Table Raw Materials Suppliers List	
Table Different Production Methods of R-1234Yf Refrigerant	
Table Cost Structure Analysis of R-1234Yf Refrigerant	
Table Key End Users List	
Table Latest News of R-1234Yf Refrigerant Market	
Table Merger and Acquisition List	
Table Planned/Future Project of R-1234Yf Refrigerant Market	
Table Policy of R-1234Yf Refrigerant Market	
Table 2020-2030 Regional Export of R-1234Yf Refrigerant	

Table 2020-2030 Regional Import of R-1234Yf Refrigerant

Table 2020-2030 Regional Trade Balance

Figure 2020-2030 Regional Trade Balance

Table 2020-2030 North America R-1234Yf Refrigerant Market Size and Market Volume List

Figure 2020-2030 North America R-1234Yf Refrigerant Market Size and CAGR

Figure 2020-2030 North America R-1234Yf Refrigerant Market Volume and CAGR

Table 2020-2030 North America R-1234Yf Refrigerant Demand List by Application

Table 2020-2025 North America R-1234Yf Refrigerant Key Players Sales List

Table 2020-2025 North America R-1234Yf Refrigerant Key Players Market Share List

Table 2020-2030 North America R-1234Yf Refrigerant Demand List by Type

Table 2020-2025 North America R-1234Yf Refrigerant Price List by Type

Table 2020-2030 United States R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 United States R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Canada R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Canada R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Mexico R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Mexico R-1234Yf Refrigerant Import & Export List

Table 2020-2030 South America R-1234Yf Refrigerant Market Size and Market Volume List

Figure 2020-2030 South America R-1234Yf Refrigerant Market Size and CAGR

Figure 2020-2030 South America R-1234Yf Refrigerant Market Volume and CAGR

Table 2020-2030 South America R-1234Yf Refrigerant Demand List by Application

Table 2020-2025 South America R-1234Yf Refrigerant Key Players Sales List

Table 2020-2025 South America R-1234Yf Refrigerant Key Players Market Share List

Table 2020-2030 South America R-1234Yf Refrigerant Demand List by Type

Table 2020-2025 South America R-1234Yf Refrigerant Price List by Type

Table 2020-2030 Brazil R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Brazil R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Argentina R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Argentina R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Chile R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Chile R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Peru R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Peru R-1234Yf Refrigerant Import & Export List

Table 2020-2030 Asia & Pacific R-1234Yf Refrigerant Market Size and Market Volume List

Figure 2020-2030 Asia & Pacific R-1234Yf Refrigerant Market Size and CAGR

Figure 2020-2030 Asia & Pacific R-1234Yf Refrigerant Market Volume and CAGR
Table 2020-2030 Asia & Pacific R-1234Yf Refrigerant Demand List by Application
Table 2020-2025 Asia & Pacific R-1234Yf Refrigerant Key Players Sales List
Table 2020-2025 Asia & Pacific R-1234Yf Refrigerant Key Players Market Share List
Table 2020-2030 Asia & Pacific R-1234Yf Refrigerant Demand List by Type
Table 2020-2025 Asia & Pacific R-1234Yf Refrigerant Price List by Type
Table 2020-2030 China R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 China R-1234Yf Refrigerant Import & Export List
Table 2020-2030 India R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 India R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Japan R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Japan R-1234Yf Refrigerant Import & Export List
Table 2020-2030 South Korea R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 South Korea R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Southeast Asia R-1234Yf Refrigerant Market Size List
Table 2020-2030 Southeast Asia R-1234Yf Refrigerant Market Volume List
Table 2020-2030 Southeast Asia R-1234Yf Refrigerant Import List
Table 2020-2030 Southeast Asia R-1234Yf Refrigerant Export List
Table 2020-2030 Australia R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Australia R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Europe R-1234Yf Refrigerant Market Size and Market Volume List
Figure 2020-2030 Europe R-1234Yf Refrigerant Market Size and CAGR
Figure 2020-2030 Europe R-1234Yf Refrigerant Market Volume and CAGR
Table 2020-2030 Europe R-1234Yf Refrigerant Demand List by Application
Table 2020-2025 Europe R-1234Yf Refrigerant Key Players Sales List
Table 2020-2025 Europe R-1234Yf Refrigerant Key Players Market Share List
Table 2020-2030 Europe R-1234Yf Refrigerant Demand List by Type
Table 2020-2025 Europe R-1234Yf Refrigerant Price List by Type
Table 2020-2030 Germany R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Germany R-1234Yf Refrigerant Import & Export List
Table 2020-2030 France R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 France R-1234Yf Refrigerant Import & Export List
Table 2020-2030 United Kingdom R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 United Kingdom R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Italy R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Italy R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Spain R-1234Yf Refrigerant Market Size and Market Volume List

Table 2020-2030 Spain R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Belgium R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Belgium R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Netherlands R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Netherlands R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Austria R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Austria R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Poland R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Poland R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Russia R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Russia R-1234Yf Refrigerant Import & Export List
Table 2020-2030 MEA R-1234Yf Refrigerant Market Size and Market Volume List
Figure 2020-2030 MEA R-1234Yf Refrigerant Market Size and CAGR
Figure 2020-2030 MEA R-1234Yf Refrigerant Market Volume and CAGR
Table 2020-2030 MEA R-1234Yf Refrigerant Demand List by Application
Table 2020-2025 MEA R-1234Yf Refrigerant Key Players Sales List
Table 2020-2025 MEA R-1234Yf Refrigerant Key Players Market Share List
Table 2020-2030 MEA R-1234Yf Refrigerant Demand List by Type
Table 2020-2025 MEA R-1234Yf Refrigerant Price List by Type
Table 2020-2030 Egypt R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Egypt R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Israel R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Israel R-1234Yf Refrigerant Import & Export List
Table 2020-2030 South Africa R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 South Africa R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Gulf Cooperation Council Countries R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Gulf Cooperation Council Countries R-1234Yf Refrigerant Import & Export List
Table 2020-2030 Turkey R-1234Yf Refrigerant Market Size and Market Volume List
Table 2020-2030 Turkey R-1234Yf Refrigerant Import & Export List
Table 2020-2025 Global R-1234Yf Refrigerant Market Size List by Region
Table 2020-2025 Global R-1234Yf Refrigerant Market Size Share List by Region
Table 2020-2025 Global R-1234Yf Refrigerant Market Volume List by Region
Table 2020-2025 Global R-1234Yf Refrigerant Market Volume Share List by Region
Table 2020-2025 Global R-1234Yf Refrigerant Demand List by Application
Table 2020-2025 Global R-1234Yf Refrigerant Demand Market Share List by

Application

Table 2020-2025 Global R-1234Yf Refrigerant Capacity List

Table 2020-2025 Global R-1234Yf Refrigerant Key Vendors Capacity Share List

Table 2020-2025 Global R-1234Yf Refrigerant Key Vendors Production List

Table 2020-2025 Global R-1234Yf Refrigerant Key Vendors Production Share List

Figure 2020-2025 Global R-1234Yf Refrigerant Capacity Production and Growth Rate

Table 2020-2025 Global R-1234Yf Refrigerant Key Vendors Production Value List

Figure 2020-2025 Global R-1234Yf Refrigerant Production Value and Growth Rate

Table 2020-2025 Global R-1234Yf Refrigerant Key Vendors Production Value Share List

Table 2020-2025 Global R-1234Yf Refrigerant Demand List by Type

Table 2020-2025 Global R-1234Yf Refrigerant Demand Market Share List by Type

Table 2020-2025 Regional R-1234Yf Refrigerant Price List

Table 2025-2030 Global R-1234Yf Refrigerant Market Size List by Region

Table 2025-2030 Global R-1234Yf Refrigerant Market Size Share List by Region

Table 2025-2030 Global R-1234Yf Refrigerant Market Volume List by Region

Table 2025-2030 Global R-1234Yf Refrigerant Market Volume Share List by Region

Table 2025-2030 Global R-1234Yf Refrigerant Demand List by Application

Table 2025-2030 Global R-1234Yf Refrigerant Demand Market Share List by Application

Table 2025-2030 Global R-1234Yf Refrigerant Capacity List

Table 2025-2030 Global R-1234Yf Refrigerant Key Vendors Capacity Share List

Table 2025-2030 Global R-1234Yf Refrigerant Key Vendors Production List

Table 2025-2030 Global R-1234Yf Refrigerant Key Vendors Production Share List

Figure 2025-2030 Global R-1234Yf Refrigerant Capacity Production and Growth Rate

Table 2025-2030 Global R-1234Yf Refrigerant Key Vendors Production Value List

Figure 2025-2030 Global R-1234Yf Refrigerant Production Value and Growth Rate

Table 2025-2030 Global R-1234Yf Refrigerant Key Vendors Production Value Share List

Table 2025-2030 Global R-1234Yf Refrigerant Demand List by Type

Table 2025-2030 Global R-1234Yf Refrigerant Demand Market Share List by Type

Table 2025-2030 R-1234Yf Refrigerant Regional Price List

Table Chemours Information

Table SWOT Analysis of Chemours

Table 2020-2025 Chemours R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 Chemours R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 Chemours R-1234yf Refrigerant Market Share

Table Honeywell Information

Table SWOT Analysis of Honeywell

Table 2020-2025 Honeywell R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 Honeywell R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 Honeywell R-1234yf Refrigerant Market Share

Table AGC Information

Table SWOT Analysis of AGC

Table 2020-2025 AGC R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 AGC R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 AGC R-1234yf Refrigerant Market Share

Table 3F Zhonghao Information

Table SWOT Analysis of 3F Zhonghao

Table 2020-2025 3F Zhonghao R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 3F Zhonghao R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 3F Zhonghao R-1234yf Refrigerant Market Share

Table Juhua Information

Table SWOT Analysis of Juhua

Table 2020-2025 Juhua R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 Juhua R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 Juhua R-1234yf Refrigerant Market Share

Table Arkema Information

Table SWOT Analysis of Arkema

Table 2020-2025 Arkema R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 Arkema R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 Arkema R-1234yf Refrigerant Market Share

Table Navin Fluorine Information

Table SWOT Analysis of Navin Fluorine

Table 2020-2025 Navin Fluorine R-1234yf Refrigerant Product Capacity Production Price Cost Production Value

Figure 2020-2025 Navin Fluorine R-1234yf Refrigerant Capacity Production and Growth Rate

Figure 2020-2025 Navin Fluorine R-1234yf Refrigerant Market Share

.....

I would like to order

Product name: R-1234yf Refrigerant Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

Product link: <https://marketpublishers.com/r/RF610261B7BDEN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RF610261B7BDEN.html>