

Global CF4 for Semiconductors Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G07B5A28104AEN.html>

Date: December 2025

Pages: 131

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

ID: G07B5A28104AEN

Abstracts

The global CF4 for Semiconductors market size is expected to reach \$ 766 million by 2032, rising at a market growth of 5.7% CAGR during the forecast period (2026-2032). CF4 for semiconductors is an electronic-grade inert specialty gas with high chemical stability, low toxicity, and excellent etching selectivity. Its purity must reach 99.999% (5N) or higher, with impurities (such as moisture, metal ions, and particles) controlled at the ppb level. As a key material in semiconductor manufacturing, it is mainly used in core processes including plasma etching, CVD chamber cleaning, and ion implantation. It is compatible with the production of logic chips, memory chips, power semiconductors, and other products ranging from mature processes to advanced processes of 7nm and below. Its core function is to achieve selective material removal or efficient cleaning of equipment chambers without contaminating wafers or corroding process equipment. In 2024, the global production of tetrafluoromethane for semiconductors reached 26,500 tons, with an average selling price of US\$18.60 per kilogram.

This report studies the global CF4 for Semiconductors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for CF4 for Semiconductors 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 CF4 for Semiconductors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global CF4 for Semiconductors total production and demand, 2021-2032, (MT)

Global CF4 for Semiconductors total production value, 2021-2032, (USD Million)

Global CF4 for Semiconductors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)

Global CF4 for Semiconductors consumption by region & country, CAGR, 2021-2032 & (MT)

U.S. VS China: CF4 for Semiconductors domestic production, consumption, key domestic manufacturers and share

Global CF4 for Semiconductors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MT)

Global CF4 for Semiconductors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MT)

Global CF4 for Semiconductors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global CF4 for Semiconductors 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 Linde, Resonac, Kemeite Special Gas, Taiyo Nippon Sanso, Kanto Denka Kogyo, Fujian Deer Technology, Air Liquide, Merck, Haohua Technology, Jinhong Gas, 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 CF4 for Semiconductors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (US\$/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 CF4 for Semiconductors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global CF4 for Semiconductors Market, Segmentation by Type:

5N

6N

Others

Global CF4 for Semiconductors Market, Segmentation by Form:

Gaseous

Liquid

Others

Global CF4 for Semiconductors Market, Segmentation by Application:

Etching

Cleaning

Other

Companies Profiled:

Linde

Resonac

Kemeite Special Gas

Taiyo Nippon Sanso

Kanto Denka Kogyo

Fujian Deer Technology

Air Liquide

Merck

Haohua Technology

Jinhong Gas

DIG Airgas

Yongjing Technology

SK Specialty

Huate Gas

Zhongfuneng New Material Technology

Key Questions Answered:

1. How big is the global CF4 for Semiconductors market?
2. What is the demand of the global CF4 for Semiconductors market?
3. What is the year over year growth of the global CF4 for Semiconductors market?
4. What is the production and production value of the global CF4 for Semiconductors market?
5. Who are the key producers in the global CF4 for Semiconductors market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 CF4 for Semiconductors Introduction
- 1.2 World CF4 for Semiconductors Supply & Forecast
 - 1.2.1 World CF4 for Semiconductors Production Value (2021 & 2025 & 2032)
 - 1.2.2 World CF4 for Semiconductors Production (2021-2032)
 - 1.2.3 World CF4 for Semiconductors Pricing Trends (2021-2032)
- 1.3 World CF4 for Semiconductors Production by Region (Based on Production Site)
 - 1.3.1 World CF4 for Semiconductors Production Value by Region (2021-2032)
 - 1.3.2 World CF4 for Semiconductors Production by Region (2021-2032)
 - 1.3.3 World CF4 for Semiconductors Average Price by Region (2021-2032)
 - 1.3.4 North America CF4 for Semiconductors Production (2021-2032)
 - 1.3.5 Europe CF4 for Semiconductors Production (2021-2032)
 - 1.3.6 China CF4 for Semiconductors Production (2021-2032)
 - 1.3.7 Japan CF4 for Semiconductors Production (2021-2032)
 - 1.3.8 South Korea CF4 for Semiconductors Production (2021-2032)
 - 1.3.9 Southeast Asia CF4 for Semiconductors Production (2021-2032)
 - 1.3.10 China Taiwan CF4 for Semiconductors Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 CF4 for Semiconductors Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 CF4 for Semiconductors Major Market Trends

2 DEMAND SUMMARY

- 2.1 World CF4 for Semiconductors Demand (2021-2032)
- 2.2 World CF4 for Semiconductors Consumption by Region
 - 2.2.1 World CF4 for Semiconductors Consumption by Region (2021-2026)
 - 2.2.2 World CF4 for Semiconductors Consumption Forecast by Region (2027-2032)
- 2.3 United States CF4 for Semiconductors Consumption (2021-2032)
- 2.4 China CF4 for Semiconductors Consumption (2021-2032)
- 2.5 Europe CF4 for Semiconductors Consumption (2021-2032)
- 2.6 Japan CF4 for Semiconductors Consumption (2021-2032)
- 2.7 South Korea CF4 for Semiconductors Consumption (2021-2032)
- 2.8 ASEAN CF4 for Semiconductors Consumption (2021-2032)
- 2.9 India CF4 for Semiconductors Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World CF4 for Semiconductors Production Value by Manufacturer (2021-2026)
- 3.2 World CF4 for Semiconductors Production by Manufacturer (2021-2026)
- 3.3 World CF4 for Semiconductors Average Price by Manufacturer (2021-2026)
- 3.4 CF4 for Semiconductors Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global CF4 for Semiconductors Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for CF4 for Semiconductors in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for CF4 for Semiconductors in 2025
- 3.6 CF4 for Semiconductors Market: Overall Company Footprint Analysis
 - 3.6.1 CF4 for Semiconductors Market: Region Footprint
 - 3.6.2 CF4 for Semiconductors Market: Company Product Type Footprint
 - 3.6.3 CF4 for Semiconductors 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: CF4 for Semiconductors Production Value Comparison
 - 4.1.1 United States VS China: CF4 for Semiconductors Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: CF4 for Semiconductors Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: CF4 for Semiconductors Production Comparison
 - 4.2.1 United States VS China: CF4 for Semiconductors Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: CF4 for Semiconductors Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: CF4 for Semiconductors Consumption Comparison
 - 4.3.1 United States VS China: CF4 for Semiconductors Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: CF4 for Semiconductors Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based CF4 for Semiconductors Manufacturers and Market Share,

2021-2026

4.4.1 United States Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers CF4 for Semiconductors Production Value (2021-2026)

4.4.3 United States Based Manufacturers CF4 for Semiconductors Production (2021-2026)

4.5 China Based CF4 for Semiconductors Manufacturers and Market Share

4.5.1 China Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers CF4 for Semiconductors Production Value (2021-2026)

4.5.3 China Based Manufacturers CF4 for Semiconductors Production (2021-2026)

4.6 Rest of World Based CF4 for Semiconductors Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers CF4 for Semiconductors Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers CF4 for Semiconductors Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World CF4 for Semiconductors Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 5N

5.2.2 6N

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World CF4 for Semiconductors Production by Type (2021-2032)

5.3.2 World CF4 for Semiconductors Production Value by Type (2021-2032)

5.3.3 World CF4 for Semiconductors Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY FORM

6.1 World CF4 for Semiconductors Market Size Overview by Form: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Form

- 6.2.1 Gaseous
- 6.2.2 Liquid
- 6.2.3 Others

6.3 Market Segment by Form

- 6.3.1 World CF4 for Semiconductors Production by Form (2021-2032)
- 6.3.2 World CF4 for Semiconductors Production Value by Form (2021-2032)
- 6.3.3 World CF4 for Semiconductors Average Price by Form (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World CF4 for Semiconductors Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

- 7.2.1 Etching
- 7.2.2 Cleaning
- 7.2.3 Other

7.3 Market Segment by Application

- 7.3.1 World CF4 for Semiconductors Production by Application (2021-2032)
- 7.3.2 World CF4 for Semiconductors Production Value by Application (2021-2032)
- 7.3.3 World CF4 for Semiconductors Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Linde

- 8.1.1 Linde Details
- 8.1.2 Linde Major Business
- 8.1.3 Linde CF4 for Semiconductors Product and Services
- 8.1.4 Linde CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.1.5 Linde Recent Developments/Updates
- 8.1.6 Linde Competitive Strengths & Weaknesses

8.2 Resonac

- 8.2.1 Resonac Details
- 8.2.2 Resonac Major Business
- 8.2.3 Resonac CF4 for Semiconductors Product and Services
- 8.2.4 Resonac CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.2.5 Resonac Recent Developments/Updates

- 8.2.6 Resonac Competitive Strengths & Weaknesses
- 8.3 Kemeite Special Gas
 - 8.3.1 Kemeite Special Gas Details
 - 8.3.2 Kemeite Special Gas Major Business
 - 8.3.3 Kemeite Special Gas CF4 for Semiconductors Product and Services
 - 8.3.4 Kemeite Special Gas CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 Kemeite Special Gas Recent Developments/Updates
 - 8.3.6 Kemeite Special Gas Competitive Strengths & Weaknesses
- 8.4 Taiyo Nippon Sanso
 - 8.4.1 Taiyo Nippon Sanso Details
 - 8.4.2 Taiyo Nippon Sanso Major Business
 - 8.4.3 Taiyo Nippon Sanso CF4 for Semiconductors Product and Services
 - 8.4.4 Taiyo Nippon Sanso CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Taiyo Nippon Sanso Recent Developments/Updates
 - 8.4.6 Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- 8.5 Kanto Denka Kogyo
 - 8.5.1 Kanto Denka Kogyo Details
 - 8.5.2 Kanto Denka Kogyo Major Business
 - 8.5.3 Kanto Denka Kogyo CF4 for Semiconductors Product and Services
 - 8.5.4 Kanto Denka Kogyo CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 Kanto Denka Kogyo Recent Developments/Updates
 - 8.5.6 Kanto Denka Kogyo Competitive Strengths & Weaknesses
- 8.6 Fujian Deer Technology
 - 8.6.1 Fujian Deer Technology Details
 - 8.6.2 Fujian Deer Technology Major Business
 - 8.6.3 Fujian Deer Technology CF4 for Semiconductors Product and Services
 - 8.6.4 Fujian Deer Technology CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.6.5 Fujian Deer Technology Recent Developments/Updates
 - 8.6.6 Fujian Deer Technology Competitive Strengths & Weaknesses
- 8.7 Air Liquide
 - 8.7.1 Air Liquide Details
 - 8.7.2 Air Liquide Major Business
 - 8.7.3 Air Liquide CF4 for Semiconductors Product and Services
 - 8.7.4 Air Liquide CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 8.7.5 Air Liquide Recent Developments/Updates
- 8.7.6 Air Liquide Competitive Strengths & Weaknesses
- 8.8 Merck
 - 8.8.1 Merck Details
 - 8.8.2 Merck Major Business
 - 8.8.3 Merck CF4 for Semiconductors Product and Services
 - 8.8.4 Merck CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.8.5 Merck Recent Developments/Updates
 - 8.8.6 Merck Competitive Strengths & Weaknesses
- 8.9 Haohua Technology
 - 8.9.1 Haohua Technology Details
 - 8.9.2 Haohua Technology Major Business
 - 8.9.3 Haohua Technology CF4 for Semiconductors Product and Services
 - 8.9.4 Haohua Technology CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.9.5 Haohua Technology Recent Developments/Updates
 - 8.9.6 Haohua Technology Competitive Strengths & Weaknesses
- 8.10 Jinhong Gas
 - 8.10.1 Jinhong Gas Details
 - 8.10.2 Jinhong Gas Major Business
 - 8.10.3 Jinhong Gas CF4 for Semiconductors Product and Services
 - 8.10.4 Jinhong Gas CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Jinhong Gas Recent Developments/Updates
 - 8.10.6 Jinhong Gas Competitive Strengths & Weaknesses
- 8.11 DIG Airgas
 - 8.11.1 DIG Airgas Details
 - 8.11.2 DIG Airgas Major Business
 - 8.11.3 DIG Airgas CF4 for Semiconductors Product and Services
 - 8.11.4 DIG Airgas CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 DIG Airgas Recent Developments/Updates
 - 8.11.6 DIG Airgas Competitive Strengths & Weaknesses
- 8.12 Yongjing Technology
 - 8.12.1 Yongjing Technology Details
 - 8.12.2 Yongjing Technology Major Business
 - 8.12.3 Yongjing Technology CF4 for Semiconductors Product and Services
 - 8.12.4 Yongjing Technology CF4 for Semiconductors Production, Price, Value, Gross

Margin and Market Share (2021-2026)

8.12.5 Yongjing Technology Recent Developments/Updates

8.12.6 Yongjing Technology Competitive Strengths & Weaknesses

8.13 SK Specialty

8.13.1 SK Specialty Details

8.13.2 SK Specialty Major Business

8.13.3 SK Specialty CF4 for Semiconductors Product and Services

8.13.4 SK Specialty CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.13.5 SK Specialty Recent Developments/Updates

8.13.6 SK Specialty Competitive Strengths & Weaknesses

8.14 Huate Gas

8.14.1 Huate Gas Details

8.14.2 Huate Gas Major Business

8.14.3 Huate Gas CF4 for Semiconductors Product and Services

8.14.4 Huate Gas CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 Huate Gas Recent Developments/Updates

8.14.6 Huate Gas Competitive Strengths & Weaknesses

8.15 Zhongfuneng New Material Technology

8.15.1 Zhongfuneng New Material Technology Details

8.15.2 Zhongfuneng New Material Technology Major Business

8.15.3 Zhongfuneng New Material Technology CF4 for Semiconductors Product and Services

8.15.4 Zhongfuneng New Material Technology CF4 for Semiconductors Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.15.5 Zhongfuneng New Material Technology Recent Developments/Updates

8.15.6 Zhongfuneng New Material Technology Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 CF4 for Semiconductors Industry Chain

9.2 CF4 for Semiconductors Upstream Analysis

9.2.1 CF4 for Semiconductors Core Raw Materials

9.2.2 Main Manufacturers of CF4 for Semiconductors Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 CF4 for Semiconductors Production Mode

9.6 CF4 for Semiconductors Procurement Model

9.7 CF4 for Semiconductors Industry Sales Model and Sales Channels

9.7.1 CF4 for Semiconductors Sales Model

9.7.2 CF4 for Semiconductors Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World CF4 for Semiconductors Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World CF4 for Semiconductors Production Value by Region (2021-2026) & (USD Million)

Table 3. World CF4 for Semiconductors Production Value by Region (2027-2032) & (USD Million)

Table 4. World CF4 for Semiconductors Production Value Market Share by Region (2021-2026)

Table 5. World CF4 for Semiconductors Production Value Market Share by Region (2027-2032)

Table 6. World CF4 for Semiconductors Production by Region (2021-2026) & (MT)

Table 7. World CF4 for Semiconductors Production by Region (2027-2032) & (MT)

Table 8. World CF4 for Semiconductors Production Market Share by Region (2021-2026)

Table 9. World CF4 for Semiconductors Production Market Share by Region (2027-2032)

Table 10. World CF4 for Semiconductors Average Price by Region (2021-2026) & (US\$/Kg)

Table 11. World CF4 for Semiconductors Average Price by Region (2027-2032) & (US\$/Kg)

Table 12. CF4 for Semiconductors Major Market Trends

Table 13. World CF4 for Semiconductors Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (MT)

Table 14. World CF4 for Semiconductors Consumption by Region (2021-2026) & (MT)

Table 15. World CF4 for Semiconductors Consumption Forecast by Region (2027-2032) & (MT)

Table 16. World CF4 for Semiconductors Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key CF4 for Semiconductors Producers in 2025

Table 18. World CF4 for Semiconductors Production by Manufacturer (2021-2026) & (MT)

Table 19. Production Market Share of Key CF4 for Semiconductors Producers in 2025

Table 20. World CF4 for Semiconductors Average Price by Manufacturer (2021-2026) & (US\$/Kg)

- Table 21. Global CF4 for Semiconductors Company Evaluation Quadrant
- Table 22. World CF4 for Semiconductors Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and CF4 for Semiconductors Production Site of Key Manufacturer
- Table 24. CF4 for Semiconductors Market: Company Product Type Footprint
- Table 25. CF4 for Semiconductors Market: Company Product Application Footprint
- Table 26. CF4 for Semiconductors Competitive Factors
- Table 27. CF4 for Semiconductors New Entrant and Capacity Expansion Plans
- Table 28. CF4 for Semiconductors Mergers & Acquisitions Activity
- Table 29. United States VS China CF4 for Semiconductors Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
- Table 30. United States VS China CF4 for Semiconductors Production Comparison, (2021 & 2025 & 2032) & (MT)
- Table 31. United States VS China CF4 for Semiconductors Consumption Comparison, (2021 & 2025 & 2032) & (MT)
- Table 32. United States Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers CF4 for Semiconductors Production Value, (2021-2026) & (USD Million)
- Table 34. United States Based Manufacturers CF4 for Semiconductors Production Value Market Share (2021-2026)
- Table 35. United States Based Manufacturers CF4 for Semiconductors Production (2021-2026) & (MT)
- Table 36. United States Based Manufacturers CF4 for Semiconductors Production Market Share (2021-2026)
- Table 37. China Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers CF4 for Semiconductors Production Value, (2021-2026) & (USD Million)
- Table 39. China Based Manufacturers CF4 for Semiconductors Production Value Market Share (2021-2026)
- Table 40. China Based Manufacturers CF4 for Semiconductors Production, (2021-2026) & (MT)
- Table 41. China Based Manufacturers CF4 for Semiconductors Production Market Share (2021-2026)
- Table 42. Rest of World Based CF4 for Semiconductors Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers CF4 for Semiconductors Production

Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers CF4 for Semiconductors Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers CF4 for Semiconductors Production, (2021-2026) & (MT)

Table 46. Rest of World Based Manufacturers CF4 for Semiconductors Production Market Share (2021-2026)

Table 47. World CF4 for Semiconductors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World CF4 for Semiconductors Production by Type (2021-2026) & (MT)

Table 49. World CF4 for Semiconductors Production by Type (2027-2032) & (MT)

Table 50. World CF4 for Semiconductors Production Value by Type (2021-2026) & (USD Million)

Table 51. World CF4 for Semiconductors Production Value by Type (2027-2032) & (USD Million)

Table 52. World CF4 for Semiconductors Average Price by Type (2021-2026) & (US\$/Kg)

Table 53. World CF4 for Semiconductors Average Price by Type (2027-2032) & (US\$/Kg)

Table 54. World CF4 for Semiconductors Production Value by Form, (USD Million), 2021 & 2025 & 2032

Table 55. World CF4 for Semiconductors Production by Form (2021-2026) & (MT)

Table 56. World CF4 for Semiconductors Production by Form (2027-2032) & (MT)

Table 57. World CF4 for Semiconductors Production Value by Form (2021-2026) & (USD Million)

Table 58. World CF4 for Semiconductors Production Value by Form (2027-2032) & (USD Million)

Table 59. World CF4 for Semiconductors Average Price by Form (2021-2026) & (US\$/Kg)

Table 60. World CF4 for Semiconductors Average Price by Form (2027-2032) & (US\$/Kg)

Table 61. World CF4 for Semiconductors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World CF4 for Semiconductors Production by Application (2021-2026) & (MT)

Table 63. World CF4 for Semiconductors Production by Application (2027-2032) & (MT)

Table 64. World CF4 for Semiconductors Production Value by Application (2021-2026) & (USD Million)

Table 65. World CF4 for Semiconductors Production Value by Application (2027-2032) & (USD Million)

- Table 66. World CF4 for Semiconductors Average Price by Application (2021-2026) & (US\$/Kg)
- Table 67. World CF4 for Semiconductors Average Price by Application (2027-2032) & (US\$/Kg)
- Table 68. Linde Basic Information, Manufacturing Base and Competitors
- Table 69. Linde Major Business
- Table 70. Linde CF4 for Semiconductors Product and Services
- Table 71. Linde CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 72. Linde Recent Developments/Updates
- Table 73. Linde Competitive Strengths & Weaknesses
- Table 74. Resonac Basic Information, Manufacturing Base and Competitors
- Table 75. Resonac Major Business
- Table 76. Resonac CF4 for Semiconductors Product and Services
- Table 77. Resonac CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 78. Resonac Recent Developments/Updates
- Table 79. Resonac Competitive Strengths & Weaknesses
- Table 80. Kemeite Special Gas Basic Information, Manufacturing Base and Competitors
- Table 81. Kemeite Special Gas Major Business
- Table 82. Kemeite Special Gas CF4 for Semiconductors Product and Services
- Table 83. Kemeite Special Gas CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 84. Kemeite Special Gas Recent Developments/Updates
- Table 85. Kemeite Special Gas Competitive Strengths & Weaknesses
- Table 86. Taiyo Nippon Sanso Basic Information, Manufacturing Base and Competitors
- Table 87. Taiyo Nippon Sanso Major Business
- Table 88. Taiyo Nippon Sanso CF4 for Semiconductors Product and Services
- Table 89. Taiyo Nippon Sanso CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 90. Taiyo Nippon Sanso Recent Developments/Updates
- Table 91. Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- Table 92. Kanto Denka Kogyo Basic Information, Manufacturing Base and Competitors
- Table 93. Kanto Denka Kogyo Major Business
- Table 94. Kanto Denka Kogyo CF4 for Semiconductors Product and Services
- Table 95. Kanto Denka Kogyo CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. Kanto Denka Kogyo Recent Developments/Updates
- Table 97. Kanto Denka Kogyo Competitive Strengths & Weaknesses

- Table 98. Fujian Deer Technology Basic Information, Manufacturing Base and Competitors
- Table 99. Fujian Deer Technology Major Business
- Table 100. Fujian Deer Technology CF4 for Semiconductors Product and Services
- Table 101. Fujian Deer Technology CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. Fujian Deer Technology Recent Developments/Updates
- Table 103. Fujian Deer Technology Competitive Strengths & Weaknesses
- Table 104. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 105. Air Liquide Major Business
- Table 106. Air Liquide CF4 for Semiconductors Product and Services
- Table 107. Air Liquide CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Air Liquide Recent Developments/Updates
- Table 109. Air Liquide Competitive Strengths & Weaknesses
- Table 110. Merck Basic Information, Manufacturing Base and Competitors
- Table 111. Merck Major Business
- Table 112. Merck CF4 for Semiconductors Product and Services
- Table 113. Merck CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. Merck Recent Developments/Updates
- Table 115. Merck Competitive Strengths & Weaknesses
- Table 116. Haohua Technology Basic Information, Manufacturing Base and Competitors
- Table 117. Haohua Technology Major Business
- Table 118. Haohua Technology CF4 for Semiconductors Product and Services
- Table 119. Haohua Technology CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. Haohua Technology Recent Developments/Updates
- Table 121. Haohua Technology Competitive Strengths & Weaknesses
- Table 122. Jinhong Gas Basic Information, Manufacturing Base and Competitors
- Table 123. Jinhong Gas Major Business
- Table 124. Jinhong Gas CF4 for Semiconductors Product and Services
- Table 125. Jinhong Gas CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Jinhong Gas Recent Developments/Updates
- Table 127. Jinhong Gas Competitive Strengths & Weaknesses
- Table 128. DIG Airgas Basic Information, Manufacturing Base and Competitors
- Table 129. DIG Airgas Major Business

- Table 130. DIG Airgas CF4 for Semiconductors Product and Services
- Table 131. DIG Airgas CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 132. DIG Airgas Recent Developments/Updates
- Table 133. DIG Airgas Competitive Strengths & Weaknesses
- Table 134. Yongjing Technology Basic Information, Manufacturing Base and Competitors
- Table 135. Yongjing Technology Major Business
- Table 136. Yongjing Technology CF4 for Semiconductors Product and Services
- Table 137. Yongjing Technology CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Yongjing Technology Recent Developments/Updates
- Table 139. Yongjing Technology Competitive Strengths & Weaknesses
- Table 140. SK Specialty Basic Information, Manufacturing Base and Competitors
- Table 141. SK Specialty Major Business
- Table 142. SK Specialty CF4 for Semiconductors Product and Services
- Table 143. SK Specialty CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 144. SK Specialty Recent Developments/Updates
- Table 145. SK Specialty Competitive Strengths & Weaknesses
- Table 146. Huate Gas Basic Information, Manufacturing Base and Competitors
- Table 147. Huate Gas Major Business
- Table 148. Huate Gas CF4 for Semiconductors Product and Services
- Table 149. Huate Gas CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 150. Huate Gas Recent Developments/Updates
- Table 151. Huate Gas Competitive Strengths & Weaknesses
- Table 152. Zhongfuneng New Material Technology Basic Information, Manufacturing Base and Competitors
- Table 153. Zhongfuneng New Material Technology Major Business
- Table 154. Zhongfuneng New Material Technology CF4 for Semiconductors Product and Services
- Table 155. Zhongfuneng New Material Technology CF4 for Semiconductors Production (MT), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 156. Zhongfuneng New Material Technology Recent Developments/Updates
- Table 157. Zhongfuneng New Material Technology Competitive Strengths & Weaknesses
- Table 158. Global Key Players of CF4 for Semiconductors Upstream (Raw Materials)

Table 159. Global CF4 for Semiconductors Typical Customers

Table 160. CF4 for Semiconductors Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. CF4 for Semiconductors Picture

Figure 2. World CF4 for Semiconductors Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World CF4 for Semiconductors Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 5. World CF4 for Semiconductors Average Price (2021-2032) & (US\$/Kg)

Figure 6. World CF4 for Semiconductors Production Value Market Share by Region (2021-2032)

Figure 7. World CF4 for Semiconductors Production Market Share by Region (2021-2032)

Figure 8. North America CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 9. Europe CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 10. China CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 11. Japan CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 12. South Korea CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 13. Southeast Asia CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 14. China Taiwan CF4 for Semiconductors Production (2021-2032) & (MT)

Figure 15. CF4 for Semiconductors Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 18. World CF4 for Semiconductors Consumption Market Share by Region (2021-2032)

Figure 19. United States CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 20. China CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 21. Europe CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 22. Japan CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 23. South Korea CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 24. ASEAN CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 25. India CF4 for Semiconductors Consumption (2021-2032) & (MT)

Figure 26. Producer Shipments of CF4 for Semiconductors by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for CF4 for Semiconductors Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for CF4 for Semiconductors

Markets in 2025

Figure 29. United States VS China: CF4 for Semiconductors Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: CF4 for Semiconductors Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: CF4 for Semiconductors Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers CF4 for Semiconductors Production Market Share 2025

Figure 33. China Based Manufacturers CF4 for Semiconductors Production Market Share 2025

Figure 34. Rest of World Based Manufacturers CF4 for Semiconductors Production Market Share 2025

Figure 35. World CF4 for Semiconductors Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World CF4 for Semiconductors Production Value Market Share by Type in 2025

Figure 37. 5N

Figure 38. 6N

Figure 39. Others

Figure 40. World CF4 for Semiconductors Production Market Share by Type (2021-2032)

Figure 41. World CF4 for Semiconductors Production Value Market Share by Type (2021-2032)

Figure 42. World CF4 for Semiconductors Average Price by Type (2021-2032) & (US\$/Kg)

Figure 43. World CF4 for Semiconductors Production Value by Form, (USD Million), 2021 & 2025 & 2032

Figure 44. World CF4 for Semiconductors Production Value Market Share by Form in 2025

Figure 45. Gaseous

Figure 46. Liquid

Figure 47. Others

Figure 48. World CF4 for Semiconductors Production Market Share by Form (2021-2032)

Figure 49. World CF4 for Semiconductors Production Value Market Share by Form (2021-2032)

Figure 50. World CF4 for Semiconductors Average Price by Form (2021-2032) & (US\$/Kg)

Figure 51. World CF4 for Semiconductors Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 52. World CF4 for Semiconductors Production Value Market Share by Application in 2025

Figure 53. Etching

Figure 54. Cleaning

Figure 55. Other

Figure 56. World CF4 for Semiconductors Production Market Share by Application (2021-2032)

Figure 57. World CF4 for Semiconductors Production Value Market Share by Application (2021-2032)

Figure 58. World CF4 for Semiconductors Average Price by Application (2021-2032) & (US\$/Kg)

Figure 59. CF4 for Semiconductors Industry Chain

Figure 60. CF4 for Semiconductors Procurement Model

Figure 61. CF4 for Semiconductors Sales Model

Figure 62. CF4 for Semiconductors Sales Channels, Direct Sales, and Distribution

Figure 63. Methodology

Figure 64. Research Process and Data Source

I would like to order

Product name: Global CF4 for Semiconductors Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G07B5A28104AEN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G07B5A28104AEN.html>