

# Global Silicon Carbon Precursor (Porous Carbon) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Silicon Carbon Precursor (Porous Carbon) market size is expected to reach \$ 1186 million by 2032, rising at a market growth of 38.7% CAGR during the forecast period (2026-2032).

Silicon carbon precursors (porous carbon) specifically refer to specialized porous carbon materials used as the 'skeleton' or 'carrier' for depositing nano-silicon during the preparation of silicon-carbon anode materials. Their core value lies in providing a buffer space for the dramatic volume expansion of silicon during charging and discharging through their abundant internal pore structure, thereby solving the critical problem of short cycle life in silicon anodes.

This report studies the global Silicon Carbon Precursor (Porous Carbon) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbon Precursor (Porous Carbon) 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 Silicon Carbon Precursor (Porous Carbon) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbon Precursor (Porous Carbon) total production and demand, 2021-2032, (Tons)

Global Silicon Carbon Precursor (Porous Carbon) total production value, 2021-2032, (USD Million)

Global Silicon Carbon Precursor (Porous Carbon) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Silicon Carbon Precursor (Porous Carbon) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Silicon Carbon Precursor (Porous Carbon) domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbon Precursor (Porous Carbon) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Silicon Carbon Precursor (Porous Carbon) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Silicon Carbon Precursor (Porous Carbon) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Silicon Carbon Precursor (Porous Carbon) 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 Kuraray, Haycarb, Ingevity, Osaka Gas Chemicals, Shengquan Group, Fujian Yuanli, Dachao Carbon Energy, China Steel Mining Research Institute, Changzhou Chuangming, KBC (Jinbo), 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 Silicon Carbon Precursor (Porous Carbon) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) 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 Silicon Carbon Precursor (Porous Carbon) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Silicon Carbon Precursor (Porous Carbon) Market, Segmentation by Type:

Biomass

Resin-based

Coke-based

#### Global Silicon Carbon Precursor (Porous Carbon) Market, Segmentation by Pore Volume:

Pore Volume  $\leq$  1.0 cm<sup>3</sup>/g

Pore Volume  $>$  1.0 cm<sup>3</sup>/g

#### Global Silicon Carbon Precursor (Porous Carbon) Market, Segmentation by Process:

Steam Activation Method

Alkali Activation Method

## Global Silicon Carbon Precursor (Porous Carbon) Market, Segmentation by Application:

Power Batteries

Consumer Electronics

## Companies Profiled:

Kuraray

Haycarb

Ingevity

Osaka Gas Chemicals

Shengquan Group

Fujian Yuanli

Dachao Carbon Energy

China Steel Mining Research Institute

Changzhou Chuangming

KBC (Jinbo)

Shanghai Carbon Yuan

Zhejiang Apex

XSC (Sanlin Carbon Materials)

Bengbu Jifuli

Shenzhen Solid

Jiangsu Pushida Environmental Protection

Daoshi Technology

Putailai

Dofluoride (Zhejiang Zhongning Silicon)

Xuancheng Silicon Energy (Xuancheng Silicon Energy)

**Key Questions Answered:**

1. How big is the global Silicon Carbon Precursor (Porous Carbon) market?
2. What is the demand of the global Silicon Carbon Precursor (Porous Carbon) market?
3. What is the year over year growth of the global Silicon Carbon Precursor (Porous Carbon) market?
4. What is the production and production value of the global Silicon Carbon Precursor (Porous Carbon) market?
5. Who are the key producers in the global Silicon Carbon Precursor (Porous Carbon) market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

- 2.1 World Silicon Carbon Precursor (Porous Carbon) Demand (2021-2032)
- 2.2 World Silicon Carbon Precursor (Porous Carbon) Consumption by Region
  - 2.2.1 World Silicon Carbon Precursor (Porous Carbon) Consumption by Region (2021-2026)
  - 2.2.2 World Silicon Carbon Precursor (Porous Carbon) Consumption Forecast by Region (2027-2032)

- 2.3 United States Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.4 China Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.5 Europe Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.6 Japan Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.7 South Korea Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.8 ASEAN Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)
- 2.9 India Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Silicon Carbon Precursor (Porous Carbon) Production Value by Manufacturer (2021-2026)
- 3.2 World Silicon Carbon Precursor (Porous Carbon) Production by Manufacturer (2021-2026)
- 3.3 World Silicon Carbon Precursor (Porous Carbon) Average Price by Manufacturer (2021-2026)
- 3.4 Silicon Carbon Precursor (Porous Carbon) Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Silicon Carbon Precursor (Porous Carbon) Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Silicon Carbon Precursor (Porous Carbon) in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Silicon Carbon Precursor (Porous Carbon) in 2025
- 3.6 Silicon Carbon Precursor (Porous Carbon) Market: Overall Company Footprint Analysis
  - 3.6.1 Silicon Carbon Precursor (Porous Carbon) Market: Region Footprint
  - 3.6.2 Silicon Carbon Precursor (Porous Carbon) Market: Company Product Type Footprint
  - 3.6.3 Silicon Carbon Precursor (Porous Carbon) 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: Silicon Carbon Precursor (Porous Carbon) Production Value Comparison

4.1.1 United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Value Market Share Comparison (2021 & 2025 & 2032)

#### 4.2 United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Comparison

4.2.1 United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Market Share Comparison (2021 & 2025 & 2032)

#### 4.3 United States VS China: Silicon Carbon Precursor (Porous Carbon) Consumption Comparison

4.3.1 United States VS China: Silicon Carbon Precursor (Porous Carbon) Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Silicon Carbon Precursor (Porous Carbon) Consumption Market Share Comparison (2021 & 2025 & 2032)

#### 4.4 United States Based Silicon Carbon Precursor (Porous Carbon) Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value (2021-2026)

4.4.3 United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production (2021-2026)

#### 4.5 China Based Silicon Carbon Precursor (Porous Carbon) Manufacturers and Market Share

4.5.1 China Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value (2021-2026)

4.5.3 China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production (2021-2026)

#### 4.6 Rest of World Based Silicon Carbon Precursor (Porous Carbon) Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Silicon Carbon Precursor (Porous Carbon) Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Biomass

5.2.2 Resin-based

5.2.3 Coke-based

5.3 Market Segment by Type

5.3.1 World Silicon Carbon Precursor (Porous Carbon) Production by Type (2021-2032)

5.3.2 World Silicon Carbon Precursor (Porous Carbon) Production Value by Type (2021-2032)

5.3.3 World Silicon Carbon Precursor (Porous Carbon) Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY PORE VOLUME**

6.1 World Silicon Carbon Precursor (Porous Carbon) Market Size Overview by Pore Volume: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Pore Volume

6.2.1 Pore Volume  $\leq 1.0 \text{ cm}^3/\text{g}$

6.2.2 Pore Volume  $> 1.0 \text{ cm}^3/\text{g}$

6.3 Market Segment by Pore Volume

6.3.1 World Silicon Carbon Precursor (Porous Carbon) Production by Pore Volume (2021-2032)

6.3.2 World Silicon Carbon Precursor (Porous Carbon) Production Value by Pore Volume (2021-2032)

6.3.3 World Silicon Carbon Precursor (Porous Carbon) Average Price by Pore Volume (2021-2032)

## **7 MARKET ANALYSIS BY PROCESS**

7.1 World Silicon Carbon Precursor (Porous Carbon) Market Size Overview by Process:

2021 VS 2025 VS 2032

7.2 Segment Introduction by Process

7.2.1 Steam Activation Method

7.2.2 Alkali Activation Method

7.3 Market Segment by Process

7.3.1 World Silicon Carbon Precursor (Porous Carbon) Production by Process (2021-2032)

7.3.2 World Silicon Carbon Precursor (Porous Carbon) Production Value by Process (2021-2032)

7.3.3 World Silicon Carbon Precursor (Porous Carbon) Average Price by Process (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Silicon Carbon Precursor (Porous Carbon) Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Power Batteries

8.2.2 Consumer Electronics

8.3 Market Segment by Application

8.3.1 World Silicon Carbon Precursor (Porous Carbon) Production by Application (2021-2032)

8.3.2 World Silicon Carbon Precursor (Porous Carbon) Production Value by Application (2021-2032)

8.3.3 World Silicon Carbon Precursor (Porous Carbon) Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 Kuraray

9.1.1 Kuraray Details

9.1.2 Kuraray Major Business

9.1.3 Kuraray Silicon Carbon Precursor (Porous Carbon) Product and Services

9.1.4 Kuraray Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Kuraray Recent Developments/Updates

9.1.6 Kuraray Competitive Strengths & Weaknesses

9.2 Haycarb

9.2.1 Haycarb Details

- 9.2.2 Haycarb Major Business
- 9.2.3 Haycarb Silicon Carbon Precursor (Porous Carbon) Product and Services
- 9.2.4 Haycarb Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Haycarb Recent Developments/Updates
- 9.2.6 Haycarb Competitive Strengths & Weaknesses
- 9.3 Ingevity
  - 9.3.1 Ingevity Details
  - 9.3.2 Ingevity Major Business
  - 9.3.3 Ingevity Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.3.4 Ingevity Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.3.5 Ingevity Recent Developments/Updates
  - 9.3.6 Ingevity Competitive Strengths & Weaknesses
- 9.4 Osaka Gas Chemicals
  - 9.4.1 Osaka Gas Chemicals Details
  - 9.4.2 Osaka Gas Chemicals Major Business
  - 9.4.3 Osaka Gas Chemicals Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.4.4 Osaka Gas Chemicals Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.4.5 Osaka Gas Chemicals Recent Developments/Updates
  - 9.4.6 Osaka Gas Chemicals Competitive Strengths & Weaknesses
- 9.5 Shengquan Group
  - 9.5.1 Shengquan Group Details
  - 9.5.2 Shengquan Group Major Business
  - 9.5.3 Shengquan Group Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.5.4 Shengquan Group Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 Shengquan Group Recent Developments/Updates
  - 9.5.6 Shengquan Group Competitive Strengths & Weaknesses
- 9.6 Fujian Yuanli
  - 9.6.1 Fujian Yuanli Details
  - 9.6.2 Fujian Yuanli Major Business
  - 9.6.3 Fujian Yuanli Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.6.4 Fujian Yuanli Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 Fujian Yuanli Recent Developments/Updates

- 9.6.6 Fujian Yuanli Competitive Strengths & Weaknesses
- 9.7 Dachao Carbon Energy
  - 9.7.1 Dachao Carbon Energy Details
  - 9.7.2 Dachao Carbon Energy Major Business
  - 9.7.3 Dachao Carbon Energy Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.7.4 Dachao Carbon Energy Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.7.5 Dachao Carbon Energy Recent Developments/Updates
  - 9.7.6 Dachao Carbon Energy Competitive Strengths & Weaknesses
- 9.8 China Steel Mining Research Institute
  - 9.8.1 China Steel Mining Research Institute Details
  - 9.8.2 China Steel Mining Research Institute Major Business
  - 9.8.3 China Steel Mining Research Institute Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.8.4 China Steel Mining Research Institute Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.8.5 China Steel Mining Research Institute Recent Developments/Updates
  - 9.8.6 China Steel Mining Research Institute Competitive Strengths & Weaknesses
- 9.9 Changzhou Chuangming
  - 9.9.1 Changzhou Chuangming Details
  - 9.9.2 Changzhou Chuangming Major Business
  - 9.9.3 Changzhou Chuangming Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.9.4 Changzhou Chuangming Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Changzhou Chuangming Recent Developments/Updates
  - 9.9.6 Changzhou Chuangming Competitive Strengths & Weaknesses
- 9.10 KBC (Jinbo)
  - 9.10.1 KBC (Jinbo) Details
  - 9.10.2 KBC (Jinbo) Major Business
  - 9.10.3 KBC (Jinbo) Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.10.4 KBC (Jinbo) Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 KBC (Jinbo) Recent Developments/Updates
  - 9.10.6 KBC (Jinbo) Competitive Strengths & Weaknesses
- 9.11 Shanghai Carbon Yuan
  - 9.11.1 Shanghai Carbon Yuan Details
  - 9.11.2 Shanghai Carbon Yuan Major Business

9.11.3 Shanghai Carbon Yuan Silicon Carbon Precursor (Porous Carbon) Product and Services

9.11.4 Shanghai Carbon Yuan Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Shanghai Carbon Yuan Recent Developments/Updates

9.11.6 Shanghai Carbon Yuan Competitive Strengths & Weaknesses

9.12 Zhejiang Apex

9.12.1 Zhejiang Apex Details

9.12.2 Zhejiang Apex Major Business

9.12.3 Zhejiang Apex Silicon Carbon Precursor (Porous Carbon) Product and Services

9.12.4 Zhejiang Apex Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Zhejiang Apex Recent Developments/Updates

9.12.6 Zhejiang Apex Competitive Strengths & Weaknesses

9.13 XSC (Sanlin Carbon Materials)

9.13.1 XSC (Sanlin Carbon Materials) Details

9.13.2 XSC (Sanlin Carbon Materials) Major Business

9.13.3 XSC (Sanlin Carbon Materials) Silicon Carbon Precursor (Porous Carbon) Product and Services

9.13.4 XSC (Sanlin Carbon Materials) Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 XSC (Sanlin Carbon Materials) Recent Developments/Updates

9.13.6 XSC (Sanlin Carbon Materials) Competitive Strengths & Weaknesses

9.14 Bengbu Jifuli

9.14.1 Bengbu Jifuli Details

9.14.2 Bengbu Jifuli Major Business

9.14.3 Bengbu Jifuli Silicon Carbon Precursor (Porous Carbon) Product and Services

9.14.4 Bengbu Jifuli Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Bengbu Jifuli Recent Developments/Updates

9.14.6 Bengbu Jifuli Competitive Strengths & Weaknesses

9.15 Shenzhen Solid

9.15.1 Shenzhen Solid Details

9.15.2 Shenzhen Solid Major Business

9.15.3 Shenzhen Solid Silicon Carbon Precursor (Porous Carbon) Product and Services

9.15.4 Shenzhen Solid Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Shenzhen Solid Recent Developments/Updates

- 9.15.6 Shenzhen Solid Competitive Strengths & Weaknesses
- 9.16 Jiangsu Pushida Environmental Protection
  - 9.16.1 Jiangsu Pushida Environmental Protection Details
  - 9.16.2 Jiangsu Pushida Environmental Protection Major Business
  - 9.16.3 Jiangsu Pushida Environmental Protection Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.16.4 Jiangsu Pushida Environmental Protection Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.16.5 Jiangsu Pushida Environmental Protection Recent Developments/Updates
  - 9.16.6 Jiangsu Pushida Environmental Protection Competitive Strengths & Weaknesses
- 9.17 Daoshi Technology
  - 9.17.1 Daoshi Technology Details
  - 9.17.2 Daoshi Technology Major Business
  - 9.17.3 Daoshi Technology Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.17.4 Daoshi Technology Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.17.5 Daoshi Technology Recent Developments/Updates
  - 9.17.6 Daoshi Technology Competitive Strengths & Weaknesses
- 9.18 Putailai
  - 9.18.1 Putailai Details
  - 9.18.2 Putailai Major Business
  - 9.18.3 Putailai Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.18.4 Putailai Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.18.5 Putailai Recent Developments/Updates
  - 9.18.6 Putailai Competitive Strengths & Weaknesses
- 9.19 Dofluoride (Zhejiang Zhongning Silicon)
  - 9.19.1 Dofluoride (Zhejiang Zhongning Silicon) Details
  - 9.19.2 Dofluoride (Zhejiang Zhongning Silicon) Major Business
  - 9.19.3 Dofluoride (Zhejiang Zhongning Silicon) Silicon Carbon Precursor (Porous Carbon) Product and Services
  - 9.19.4 Dofluoride (Zhejiang Zhongning Silicon) Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.19.5 Dofluoride (Zhejiang Zhongning Silicon) Recent Developments/Updates
  - 9.19.6 Dofluoride (Zhejiang Zhongning Silicon) Competitive Strengths & Weaknesses
- 9.20 Xuancheng Silicon Energy (Xuancheng Silicon Energy)
  - 9.20.1 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Details

- 9.20.2 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Major Business
- 9.20.3 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Silicon Carbon Precursor (Porous Carbon) Product and Services
- 9.20.4 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Silicon Carbon Precursor (Porous Carbon) Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.20.5 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Recent Developments/Updates
- 9.20.6 Xuancheng Silicon Energy (Xuancheng Silicon Energy) Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 Silicon Carbon Precursor (Porous Carbon) Industry Chain
- 10.2 Silicon Carbon Precursor (Porous Carbon) Upstream Analysis
  - 10.2.1 Silicon Carbon Precursor (Porous Carbon) Core Raw Materials
  - 10.2.2 Main Manufacturers of Silicon Carbon Precursor (Porous Carbon) Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Silicon Carbon Precursor (Porous Carbon) Production Mode
- 10.6 Silicon Carbon Precursor (Porous Carbon) Procurement Model
- 10.7 Silicon Carbon Precursor (Porous Carbon) Industry Sales Model and Sales Channels
  - 10.7.1 Silicon Carbon Precursor (Porous Carbon) Sales Model
  - 10.7.2 Silicon Carbon Precursor (Porous Carbon) Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Silicon Carbon Precursor (Porous Carbon) Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Silicon Carbon Precursor (Porous Carbon) Production Value by Region (2021-2026) & (USD Million)

Table 3. World Silicon Carbon Precursor (Porous Carbon) Production Value by Region (2027-2032) & (USD Million)

Table 4. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Region (2021-2026)

Table 5. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Region (2027-2032)

Table 6. World Silicon Carbon Precursor (Porous Carbon) Production by Region (2021-2026) & (Tons)

Table 7. World Silicon Carbon Precursor (Porous Carbon) Production by Region (2027-2032) & (Tons)

Table 8. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Region (2021-2026)

Table 9. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Region (2027-2032)

Table 10. World Silicon Carbon Precursor (Porous Carbon) Average Price by Region (2021-2026) & (US\$/Kg)

Table 11. World Silicon Carbon Precursor (Porous Carbon) Average Price by Region (2027-2032) & (US\$/Kg)

Table 12. Silicon Carbon Precursor (Porous Carbon) Major Market Trends

Table 13. World Silicon Carbon Precursor (Porous Carbon) Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Silicon Carbon Precursor (Porous Carbon) Consumption by Region (2021-2026) & (Tons)

Table 15. World Silicon Carbon Precursor (Porous Carbon) Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Silicon Carbon Precursor (Porous Carbon) Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Silicon Carbon Precursor (Porous Carbon) Producers in 2025

Table 18. World Silicon Carbon Precursor (Porous Carbon) Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Silicon Carbon Precursor (Porous Carbon) Producers in 2025

Table 20. World Silicon Carbon Precursor (Porous Carbon) Average Price by Manufacturer (2021-2026) & (US\$/Kg)

Table 21. Global Silicon Carbon Precursor (Porous Carbon) Company Evaluation Quadrant

Table 22. World Silicon Carbon Precursor (Porous Carbon) Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Silicon Carbon Precursor (Porous Carbon) Production Site of Key Manufacturer

Table 24. Silicon Carbon Precursor (Porous Carbon) Market: Company Product Type Footprint

Table 25. Silicon Carbon Precursor (Porous Carbon) Market: Company Product Application Footprint

Table 26. Silicon Carbon Precursor (Porous Carbon) Competitive Factors

Table 27. Silicon Carbon Precursor (Porous Carbon) New Entrant and Capacity Expansion Plans

Table 28. Silicon Carbon Precursor (Porous Carbon) Mergers & Acquisitions Activity

Table 29. United States VS China Silicon Carbon Precursor (Porous Carbon) Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Silicon Carbon Precursor (Porous Carbon) Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Silicon Carbon Precursor (Porous Carbon) Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share (2021-2026)

Table 37. China Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Silicon Carbon Precursor (Porous Carbon)

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share (2021-2026)

Table 42. Rest of World Based Silicon Carbon Precursor (Porous Carbon) Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share (2021-2026)

Table 47. World Silicon Carbon Precursor (Porous Carbon) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Silicon Carbon Precursor (Porous Carbon) Production by Type (2021-2026) & (Tons)

Table 49. World Silicon Carbon Precursor (Porous Carbon) Production by Type (2027-2032) & (Tons)

Table 50. World Silicon Carbon Precursor (Porous Carbon) Production Value by Type (2021-2026) & (USD Million)

Table 51. World Silicon Carbon Precursor (Porous Carbon) Production Value by Type (2027-2032) & (USD Million)

Table 52. World Silicon Carbon Precursor (Porous Carbon) Average Price by Type (2021-2026) & (US\$/Kg)

Table 53. World Silicon Carbon Precursor (Porous Carbon) Average Price by Type (2027-2032) & (US\$/Kg)

Table 54. World Silicon Carbon Precursor (Porous Carbon) Production Value by Pore Volume, (USD Million), 2021 & 2025 & 2032

Table 55. World Silicon Carbon Precursor (Porous Carbon) Production by Pore Volume (2021-2026) & (Tons)

Table 56. World Silicon Carbon Precursor (Porous Carbon) Production by Pore Volume (2027-2032) & (Tons)

Table 57. World Silicon Carbon Precursor (Porous Carbon) Production Value by Pore Volume (2021-2026) & (USD Million)

Table 58. World Silicon Carbon Precursor (Porous Carbon) Production Value by Pore Volume (2027-2032) & (USD Million)

Table 59. World Silicon Carbon Precursor (Porous Carbon) Average Price by Pore Volume (2021-2026) & (US\$/Kg)

Table 60. World Silicon Carbon Precursor (Porous Carbon) Average Price by Pore Volume (2027-2032) & (US\$/Kg)

Table 61. World Silicon Carbon Precursor (Porous Carbon) Production Value by Process, (USD Million), 2021 & 2025 & 2032

Table 62. World Silicon Carbon Precursor (Porous Carbon) Production by Process (2021-2026) & (Tons)

Table 63. World Silicon Carbon Precursor (Porous Carbon) Production by Process (2027-2032) & (Tons)

Table 64. World Silicon Carbon Precursor (Porous Carbon) Production Value by Process (2021-2026) & (USD Million)

Table 65. World Silicon Carbon Precursor (Porous Carbon) Production Value by Process (2027-2032) & (USD Million)

Table 66. World Silicon Carbon Precursor (Porous Carbon) Average Price by Process (2021-2026) & (US\$/Kg)

Table 67. World Silicon Carbon Precursor (Porous Carbon) Average Price by Process (2027-2032) & (US\$/Kg)

Table 68. World Silicon Carbon Precursor (Porous Carbon) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Silicon Carbon Precursor (Porous Carbon) Production by Application (2021-2026) & (Tons)

Table 70. World Silicon Carbon Precursor (Porous Carbon) Production by Application (2027-2032) & (Tons)

Table 71. World Silicon Carbon Precursor (Porous Carbon) Production Value by Application (2021-2026) & (USD Million)

Table 72. World Silicon Carbon Precursor (Porous Carbon) Production Value by Application (2027-2032) & (USD Million)

Table 73. World Silicon Carbon Precursor (Porous Carbon) Average Price by Application (2021-2026) & (US\$/Kg)

Table 74. World Silicon Carbon Precursor (Porous Carbon) Average Price by Application (2027-2032) & (US\$/Kg)

Table 75. Kuraray Basic Information, Manufacturing Base and Competitors

Table 76. Kuraray Major Business

Table 77. Kuraray Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 78. Kuraray Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Kuraray Recent Developments/Updates

Table 80. Kuraray Competitive Strengths & Weaknesses

- Table 81. Haycarb Basic Information, Manufacturing Base and Competitors
- Table 82. Haycarb Major Business
- Table 83. Haycarb Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 84. Haycarb Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Haycarb Recent Developments/Updates
- Table 86. Haycarb Competitive Strengths & Weaknesses
- Table 87. Ingevity Basic Information, Manufacturing Base and Competitors
- Table 88. Ingevity Major Business
- Table 89. Ingevity Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 90. Ingevity Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Ingevity Recent Developments/Updates
- Table 92. Ingevity Competitive Strengths & Weaknesses
- Table 93. Osaka Gas Chemicals Basic Information, Manufacturing Base and Competitors
- Table 94. Osaka Gas Chemicals Major Business
- Table 95. Osaka Gas Chemicals Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 96. Osaka Gas Chemicals Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Osaka Gas Chemicals Recent Developments/Updates
- Table 98. Osaka Gas Chemicals Competitive Strengths & Weaknesses
- Table 99. Shengquan Group Basic Information, Manufacturing Base and Competitors
- Table 100. Shengquan Group Major Business
- Table 101. Shengquan Group Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 102. Shengquan Group Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Shengquan Group Recent Developments/Updates
- Table 104. Shengquan Group Competitive Strengths & Weaknesses
- Table 105. Fujian Yuanli Basic Information, Manufacturing Base and Competitors
- Table 106. Fujian Yuanli Major Business
- Table 107. Fujian Yuanli Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 108. Fujian Yuanli Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 109. Fujian Yuanli Recent Developments/Updates

Table 110. Fujian Yuanli Competitive Strengths & Weaknesses

Table 111. Dachao Carbon Energy Basic Information, Manufacturing Base and Competitors

Table 112. Dachao Carbon Energy Major Business

Table 113. Dachao Carbon Energy Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 114. Dachao Carbon Energy Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Dachao Carbon Energy Recent Developments/Updates

Table 116. Dachao Carbon Energy Competitive Strengths & Weaknesses

Table 117. China Steel Mining Research Institute Basic Information, Manufacturing Base and Competitors

Table 118. China Steel Mining Research Institute Major Business

Table 119. China Steel Mining Research Institute Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 120. China Steel Mining Research Institute Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. China Steel Mining Research Institute Recent Developments/Updates

Table 122. China Steel Mining Research Institute Competitive Strengths & Weaknesses

Table 123. Changzhou Chuangming Basic Information, Manufacturing Base and Competitors

Table 124. Changzhou Chuangming Major Business

Table 125. Changzhou Chuangming Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 126. Changzhou Chuangming Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Changzhou Chuangming Recent Developments/Updates

Table 128. Changzhou Chuangming Competitive Strengths & Weaknesses

Table 129. KBC (Jinbo) Basic Information, Manufacturing Base and Competitors

Table 130. KBC (Jinbo) Major Business

Table 131. KBC (Jinbo) Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 132. KBC (Jinbo) Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 133. KBC (Jinbo) Recent Developments/Updates

Table 134. KBC (Jinbo) Competitive Strengths & Weaknesses

Table 135. Shanghai Carbon Yuan Basic Information, Manufacturing Base and Competitors

Table 136. Shanghai Carbon Yuan Major Business

Table 137. Shanghai Carbon Yuan Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 138. Shanghai Carbon Yuan Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Shanghai Carbon Yuan Recent Developments/Updates

Table 140. Shanghai Carbon Yuan Competitive Strengths & Weaknesses

Table 141. Zhejiang Apex Basic Information, Manufacturing Base and Competitors

Table 142. Zhejiang Apex Major Business

Table 143. Zhejiang Apex Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 144. Zhejiang Apex Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Zhejiang Apex Recent Developments/Updates

Table 146. Zhejiang Apex Competitive Strengths & Weaknesses

Table 147. XSC (Sanlin Carbon Materials) Basic Information, Manufacturing Base and Competitors

Table 148. XSC (Sanlin Carbon Materials) Major Business

Table 149. XSC (Sanlin Carbon Materials) Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 150. XSC (Sanlin Carbon Materials) Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. XSC (Sanlin Carbon Materials) Recent Developments/Updates

Table 152. XSC (Sanlin Carbon Materials) Competitive Strengths & Weaknesses

Table 153. Bengbu Jifuli Basic Information, Manufacturing Base and Competitors

Table 154. Bengbu Jifuli Major Business

Table 155. Bengbu Jifuli Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 156. Bengbu Jifuli Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 157. Bengbu Jifuli Recent Developments/Updates
- Table 158. Bengbu Jifuli Competitive Strengths & Weaknesses
- Table 159. Shenzhen Solid Basic Information, Manufacturing Base and Competitors
- Table 160. Shenzhen Solid Major Business
- Table 161. Shenzhen Solid Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 162. Shenzhen Solid Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Shenzhen Solid Recent Developments/Updates
- Table 164. Shenzhen Solid Competitive Strengths & Weaknesses
- Table 165. Jiangsu Pushida Environmental Protection Basic Information, Manufacturing Base and Competitors
- Table 166. Jiangsu Pushida Environmental Protection Major Business
- Table 167. Jiangsu Pushida Environmental Protection Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 168. Jiangsu Pushida Environmental Protection Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. Jiangsu Pushida Environmental Protection Recent Developments/Updates
- Table 170. Jiangsu Pushida Environmental Protection Competitive Strengths & Weaknesses
- Table 171. Daoshi Technology Basic Information, Manufacturing Base and Competitors
- Table 172. Daoshi Technology Major Business
- Table 173. Daoshi Technology Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 174. Daoshi Technology Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. Daoshi Technology Recent Developments/Updates
- Table 176. Daoshi Technology Competitive Strengths & Weaknesses
- Table 177. Putailai Basic Information, Manufacturing Base and Competitors
- Table 178. Putailai Major Business
- Table 179. Putailai Silicon Carbon Precursor (Porous Carbon) Product and Services
- Table 180. Putailai Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Putailai Recent Developments/Updates
- Table 182. Putailai Competitive Strengths & Weaknesses
- Table 183. Dofluoride (Zhejiang Zhongning Silicon) Basic Information, Manufacturing

## Base and Competitors

Table 184. Dofluoride (Zhejiang Zhongning Silicon) Major Business

Table 185. Dofluoride (Zhejiang Zhongning Silicon) Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 186. Dofluoride (Zhejiang Zhongning Silicon) Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Dofluoride (Zhejiang Zhongning Silicon) Recent Developments/Updates

Table 188. Dofluoride (Zhejiang Zhongning Silicon) Competitive Strengths & Weaknesses

Table 189. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Basic Information, Manufacturing Base and Competitors

Table 190. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Major Business

Table 191. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Silicon Carbon Precursor (Porous Carbon) Product and Services

Table 192. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Silicon Carbon Precursor (Porous Carbon) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Recent Developments/Updates

Table 194. Xuancheng Silicon Energy (Xuancheng Silicon Energy) Competitive Strengths & Weaknesses

Table 195. Global Key Players of Silicon Carbon Precursor (Porous Carbon) Upstream (Raw Materials)

Table 196. Global Silicon Carbon Precursor (Porous Carbon) Typical Customers

Table 197. Silicon Carbon Precursor (Porous Carbon) Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Silicon Carbon Precursor (Porous Carbon) Picture

Figure 2. World Silicon Carbon Precursor (Porous Carbon) Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Silicon Carbon Precursor (Porous Carbon) Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 5. World Silicon Carbon Precursor (Porous Carbon) Average Price (2021-2032) & (US\$/Kg)

Figure 6. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Region (2021-2032)

Figure 7. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Region (2021-2032)

Figure 8. North America Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 9. Europe Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 10. China Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 11. Japan Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 12. India Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 13. Southeast Asia Silicon Carbon Precursor (Porous Carbon) Production (2021-2032) & (Tons)

Figure 14. Silicon Carbon Precursor (Porous Carbon) Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 17. World Silicon Carbon Precursor (Porous Carbon) Consumption Market Share by Region (2021-2032)

Figure 18. United States Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 19. China Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 20. Europe Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 21. Japan Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 22. South Korea Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 23. ASEAN Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 24. India Silicon Carbon Precursor (Porous Carbon) Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of Silicon Carbon Precursor (Porous Carbon) by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Silicon Carbon Precursor (Porous Carbon) Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Silicon Carbon Precursor (Porous Carbon) Markets in 2025

Figure 28. United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Silicon Carbon Precursor (Porous Carbon) Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Silicon Carbon Precursor (Porous Carbon) Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share 2025

Figure 32. China Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Silicon Carbon Precursor (Porous Carbon) Production Market Share 2025

Figure 34. World Silicon Carbon Precursor (Porous Carbon) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Type in 2025

Figure 36. Biomass

Figure 37. Resin-based

Figure 38. Coke-based

Figure 39. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Type (2021-2032)

Figure 40. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Type (2021-2032)

Figure 41. World Silicon Carbon Precursor (Porous Carbon) Average Price by Type (2021-2032) & (US\$/Kg)

Figure 42. World Silicon Carbon Precursor (Porous Carbon) Production Value by Pore Volume, (USD Million), 2021 & 2025 & 2032

Figure 43. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Pore Volume in 2025

Figure 44. Pore Volume  $\leq 1.0 \text{ cm}^3/\text{g}$

Figure 45. Pore Volume  $> 1.0 \text{ cm}^3/\text{g}$

Figure 46. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Pore Volume (2021-2032)

Figure 47. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Pore Volume (2021-2032)

Figure 48. World Silicon Carbon Precursor (Porous Carbon) Average Price by Pore Volume (2021-2032) & (US\$/Kg)

Figure 49. World Silicon Carbon Precursor (Porous Carbon) Production Value by Process, (USD Million), 2021 & 2025 & 2032

Figure 50. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Process in 2025

Figure 51. Steam Activation Method

Figure 52. Alkali Activation Method

Figure 53. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Process (2021-2032)

Figure 54. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Process (2021-2032)

Figure 55. World Silicon Carbon Precursor (Porous Carbon) Average Price by Process (2021-2032) & (US\$/Kg)

Figure 56. World Silicon Carbon Precursor (Porous Carbon) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Application in 2025

Figure 58. Power Batteries

Figure 59. Consumer Electronics

Figure 60. World Silicon Carbon Precursor (Porous Carbon) Production Market Share by Application (2021-2032)

Figure 61. World Silicon Carbon Precursor (Porous Carbon) Production Value Market Share by Application (2021-2032)

Figure 62. World Silicon Carbon Precursor (Porous Carbon) Average Price by Application (2021-2032) & (US\$/Kg)

Figure 63. Silicon Carbon Precursor (Porous Carbon) Industry Chain

Figure 64. Silicon Carbon Precursor (Porous Carbon) Procurement Model

Figure 65. Silicon Carbon Precursor (Porous Carbon) Sales Model

Figure 66. Silicon Carbon Precursor (Porous Carbon) Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

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