

# Global Silicon Oxynitride Market Growth 2025-2031

<https://marketpublishers.com/r/G8658660F864EN.html>

Date: August 2025

Pages: 95

Price: US\$ 3,660.00 (Single User License)

ID: G8658660F864EN

## Abstracts

The global Silicon Oxynitride market size is predicted to grow from US\$ 1340 million in 2025 to US\$ 2006 million in 2031; it is expected to grow at a CAGR of 7.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Silicon Oxynitride is a ceramic compound composed primarily of silicon (Si), oxygen (O), and nitrogen (N), typically represented by the general formula  $\text{SiO}_x\text{N}_y$ . It exists in both amorphous and crystalline forms, depending on the synthesis conditions and composition. Structurally, silicon oxynitride can be thought of as a hybrid between silicon dioxide ( $\text{SiO}_2$ ) and silicon nitride ( $\text{Si}_3\text{N}_4$ ), offering properties that are intermediate between the two. It is valued for its high hardness, thermal stability, chemical resistance, and dielectric properties, making it widely used in microelectronics, photonic devices, biomedical implants, and protective coatings. In the semiconductor industry, it is often used as a dielectric layer, diffusion barrier, or optical waveguide material. Its tunable refractive index and compatibility with silicon processing technologies make it especially attractive in integrated photonics and CMOS-compatible optical components.

Silicon Oxynitride ( $\text{SiON}$ ) is a tunable compound with properties intermediate between silicon dioxide ( $\text{SiO}_2$ ) and silicon nitride ( $\text{Si}_3\text{N}_4$ ), characterized by a refractive index ranging from 1.45 to 2.0, dielectric constants between 4 and 8, and electrical resistivity up to  $10^{12}$   $\Omega\cdot\text{cm}$ . Its mechanical properties include a hardness of 10–20 GPa, Young's modulus between 150–250 GPa, and density around 2.4–3.1  $\text{g/cm}^3$ , depending on nitrogen content. Thermally, it can withstand temperatures up to  $\sim 800^\circ\text{C}$  in film form and over  $1600^\circ\text{C}$  in ceramic form, with low thermal expansion ( $\sim 2\text{--}4 \times 10^{-6}/\text{K}$ ).  $\text{SiON}$

films, typically deposited by PECVD or LPCVD, can be engineered to exhibit low stress ( $\pm 500$  MPa), good chemical resistance, and controlled etch rates—making them ideal for use in optical coatings, dielectric layers, passivation films, waveguides, and structural ceramics in MEMS and biomedical applications.

LP Information, Inc. (LPI) ' newest research report, the “Silicon Oxynitride Industry Forecast” looks at past sales and reviews total world Silicon Oxynitride sales in 2024, providing a comprehensive analysis by region and market sector of projected Silicon Oxynitride sales for 2025 through 2031. With Silicon Oxynitride sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon Oxynitride industry.

This Insight Report provides a comprehensive analysis of the global Silicon Oxynitride landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Silicon Oxynitride portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Silicon Oxynitride market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon Oxynitride and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Silicon Oxynitride.

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon Oxynitride market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Low-nitrogen SiON (1.45–1.55)

Mid-nitrogen SiON (1.55–1.80)

High-nitrogen SiON (> 1.80)

Segmentation by Application:

Semiconductor

Optical

Medical

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

American Elements

Stanford Advanced Materials

Ningbo Inno Pharmchem

Xiamen Innovacera Advanced Materials

International Syalons

SINTX Technologies

Silcarb Recrystallized

CeramTec

AlzChem Group

EdgeTech Industries

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon Oxynitride market?

What factors are driving Silicon Oxynitride market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Silicon Oxynitride market opportunities vary by end market size?

How does Silicon Oxynitride break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Silicon Oxynitride Annual Sales 2020-2031
- 2.1.2 World Current & Future Analysis for Silicon Oxynitride by Geographic Region, 2020, 2024 & 2031
- 2.1.3 World Current & Future Analysis for Silicon Oxynitride by Country/Region, 2020, 2024 & 2031

#### 2.2 Silicon Oxynitride Segment by Type

- 2.2.1 Low-nitrogen SiON (1.45–1.55)
- 2.2.2 Mid-nitrogen SiON (1.55–1.80)
- 2.2.3 High-nitrogen SiON (> 1.80)

#### 2.3 Silicon Oxynitride Sales by Type

- 2.3.1 Global Silicon Oxynitride Sales Market Share by Type (2020-2025)
- 2.3.2 Global Silicon Oxynitride Revenue and Market Share by Type (2020-2025)
- 2.3.3 Global Silicon Oxynitride Sale Price by Type (2020-2025)

#### 2.4 Silicon Oxynitride Segment by Application

- 2.4.1 Semiconductor
- 2.4.2 Optical
- 2.4.3 Medical
- 2.4.4 Others

#### 2.5 Silicon Oxynitride Sales by Application

- 2.5.1 Global Silicon Oxynitride Sale Market Share by Application (2020-2025)
- 2.5.2 Global Silicon Oxynitride Revenue and Market Share by Application (2020-2025)
- 2.5.3 Global Silicon Oxynitride Sale Price by Application (2020-2025)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Silicon Oxynitride Breakdown Data by Company
  - 3.1.1 Global Silicon Oxynitride Annual Sales by Company (2020-2025)
  - 3.1.2 Global Silicon Oxynitride Sales Market Share by Company (2020-2025)
- 3.2 Global Silicon Oxynitride Annual Revenue by Company (2020-2025)
  - 3.2.1 Global Silicon Oxynitride Revenue by Company (2020-2025)
  - 3.2.2 Global Silicon Oxynitride Revenue Market Share by Company (2020-2025)
- 3.3 Global Silicon Oxynitride Sale Price by Company
- 3.4 Key Manufacturers Silicon Oxynitride Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Silicon Oxynitride Product Location Distribution
  - 3.4.2 Players Silicon Oxynitride Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR SILICON OXYNITRIDE BY GEOGRAPHIC REGION**

- 4.1 World Historic Silicon Oxynitride Market Size by Geographic Region (2020-2025)
  - 4.1.1 Global Silicon Oxynitride Annual Sales by Geographic Region (2020-2025)
  - 4.1.2 Global Silicon Oxynitride Annual Revenue by Geographic Region (2020-2025)
- 4.2 World Historic Silicon Oxynitride Market Size by Country/Region (2020-2025)
  - 4.2.1 Global Silicon Oxynitride Annual Sales by Country/Region (2020-2025)
  - 4.2.2 Global Silicon Oxynitride Annual Revenue by Country/Region (2020-2025)
- 4.3 Americas Silicon Oxynitride Sales Growth
- 4.4 APAC Silicon Oxynitride Sales Growth
- 4.5 Europe Silicon Oxynitride Sales Growth
- 4.6 Middle East & Africa Silicon Oxynitride Sales Growth

### **5 AMERICAS**

- 5.1 Americas Silicon Oxynitride Sales by Country
  - 5.1.1 Americas Silicon Oxynitride Sales by Country (2020-2025)
  - 5.1.2 Americas Silicon Oxynitride Revenue by Country (2020-2025)
- 5.2 Americas Silicon Oxynitride Sales by Type (2020-2025)

### 5.3 Americas Silicon Oxynitride Sales by Application (2020-2025)

#### 5.4 United States

#### 5.5 Canada

#### 5.6 Mexico

#### 5.7 Brazil

## 6 APAC

### 6.1 APAC Silicon Oxynitride Sales by Region

#### 6.1.1 APAC Silicon Oxynitride Sales by Region (2020-2025)

#### 6.1.2 APAC Silicon Oxynitride Revenue by Region (2020-2025)

### 6.2 APAC Silicon Oxynitride Sales by Type (2020-2025)

### 6.3 APAC Silicon Oxynitride Sales by Application (2020-2025)

#### 6.4 China

#### 6.5 Japan

#### 6.6 South Korea

#### 6.7 Southeast Asia

#### 6.8 India

#### 6.9 Australia

#### 6.10 China Taiwan

## 7 EUROPE

### 7.1 Europe Silicon Oxynitride by Country

#### 7.1.1 Europe Silicon Oxynitride Sales by Country (2020-2025)

#### 7.1.2 Europe Silicon Oxynitride Revenue by Country (2020-2025)

### 7.2 Europe Silicon Oxynitride Sales by Type (2020-2025)

### 7.3 Europe Silicon Oxynitride Sales by Application (2020-2025)

#### 7.4 Germany

#### 7.5 France

#### 7.6 UK

#### 7.7 Italy

#### 7.8 Russia

## 8 MIDDLE EAST & AFRICA

### 8.1 Middle East & Africa Silicon Oxynitride by Country

#### 8.1.1 Middle East & Africa Silicon Oxynitride Sales by Country (2020-2025)

#### 8.1.2 Middle East & Africa Silicon Oxynitride Revenue by Country (2020-2025)

8.2 Middle East & Africa Silicon Oxynitride Sales by Type (2020-2025)

8.3 Middle East & Africa Silicon Oxynitride Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Silicon Oxynitride

10.3 Manufacturing Process Analysis of Silicon Oxynitride

10.4 Industry Chain Structure of Silicon Oxynitride

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Silicon Oxynitride Distributors

11.3 Silicon Oxynitride Customer

## **12 WORLD FORECAST REVIEW FOR SILICON OXYNITRIDE BY GEOGRAPHIC REGION**

12.1 Global Silicon Oxynitride Market Size Forecast by Region

12.1.1 Global Silicon Oxynitride Forecast by Region (2026-2031)

12.1.2 Global Silicon Oxynitride Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Silicon Oxynitride Forecast by Type (2026-2031)

12.7 Global Silicon Oxynitride Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 American Elements

13.1.1 American Elements Company Information

13.1.2 American Elements Silicon Oxynitride Product Portfolios and Specifications

13.1.3 American Elements Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 American Elements Main Business Overview

13.1.5 American Elements Latest Developments

### 13.2 Stanford Advanced Materials

13.2.1 Stanford Advanced Materials Company Information

13.2.2 Stanford Advanced Materials Silicon Oxynitride Product Portfolios and Specifications

13.2.3 Stanford Advanced Materials Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Stanford Advanced Materials Main Business Overview

13.2.5 Stanford Advanced Materials Latest Developments

### 13.3 Ningbo Inno Pharmchem

13.3.1 Ningbo Inno Pharmchem Company Information

13.3.2 Ningbo Inno Pharmchem Silicon Oxynitride Product Portfolios and Specifications

13.3.3 Ningbo Inno Pharmchem Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Ningbo Inno Pharmchem Main Business Overview

13.3.5 Ningbo Inno Pharmchem Latest Developments

### 13.4 Xiamen Innovacera Advanced Materials

13.4.1 Xiamen Innovacera Advanced Materials Company Information

13.4.2 Xiamen Innovacera Advanced Materials Silicon Oxynitride Product Portfolios and Specifications

13.4.3 Xiamen Innovacera Advanced Materials Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Xiamen Innovacera Advanced Materials Main Business Overview

13.4.5 Xiamen Innovacera Advanced Materials Latest Developments

### 13.5 International Syalons

13.5.1 International Syalons Company Information

13.5.2 International Syalons Silicon Oxynitride Product Portfolios and Specifications

13.5.3 International Syalons Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 International Syalons Main Business Overview

13.5.5 International Syalons Latest Developments

13.6 SINTX Technologies

13.6.1 SINTX Technologies Company Information

13.6.2 SINTX Technologies Silicon Oxynitride Product Portfolios and Specifications

13.6.3 SINTX Technologies Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 SINTX Technologies Main Business Overview

13.6.5 SINTX Technologies Latest Developments

13.7 Silcarb Recrystallized

13.7.1 Silcarb Recrystallized Company Information

13.7.2 Silcarb Recrystallized Silicon Oxynitride Product Portfolios and Specifications

13.7.3 Silcarb Recrystallized Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Silcarb Recrystallized Main Business Overview

13.7.5 Silcarb Recrystallized Latest Developments

13.8 CeramTec

13.8.1 CeramTec Company Information

13.8.2 CeramTec Silicon Oxynitride Product Portfolios and Specifications

13.8.3 CeramTec Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 CeramTec Main Business Overview

13.8.5 CeramTec Latest Developments

13.9 AlzChem Group

13.9.1 AlzChem Group Company Information

13.9.2 AlzChem Group Silicon Oxynitride Product Portfolios and Specifications

13.9.3 AlzChem Group Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 AlzChem Group Main Business Overview

13.9.5 AlzChem Group Latest Developments

13.10 EdgeTech Industries

13.10.1 EdgeTech Industries Company Information

13.10.2 EdgeTech Industries Silicon Oxynitride Product Portfolios and Specifications

13.10.3 EdgeTech Industries Silicon Oxynitride Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 EdgeTech Industries Main Business Overview

13.10.5 EdgeTech Industries Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

- Table 1. Silicon Oxynitride Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Table 2. Silicon Oxynitride Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)
- Table 3. Major Players of Low-nitrogen SiON (1.45–1.55)
- Table 4. Major Players of Mid-nitrogen SiON (1.55–1.80)
- Table 5. Major Players of High-nitrogen SiON (> 1.80)
- Table 6. Global Silicon Oxynitride Sales by Type (2020-2025) & (Kilotons)
- Table 7. Global Silicon Oxynitride Sales Market Share by Type (2020-2025)
- Table 8. Global Silicon Oxynitride Revenue by Type (2020-2025) & (\$ million)
- Table 9. Global Silicon Oxynitride Revenue Market Share by Type (2020-2025)
- Table 10. Global Silicon Oxynitride Sale Price by Type (2020-2025) & (US\$/Ton)
- Table 11. Global Silicon Oxynitride Sale by Application (2020-2025) & (Kilotons)
- Table 12. Global Silicon Oxynitride Sale Market Share by Application (2020-2025)
- Table 13. Global Silicon Oxynitride Revenue by Application (2020-2025) & (\$ million)
- Table 14. Global Silicon Oxynitride Revenue Market Share by Application (2020-2025)
- Table 15. Global Silicon Oxynitride Sale Price by Application (2020-2025) & (US\$/Ton)
- Table 16. Global Silicon Oxynitride Sales by Company (2020-2025) & (Kilotons)
- Table 17. Global Silicon Oxynitride Sales Market Share by Company (2020-2025)
- Table 18. Global Silicon Oxynitride Revenue by Company (2020-2025) & (\$ millions)
- Table 19. Global Silicon Oxynitride Revenue Market Share by Company (2020-2025)
- Table 20. Global Silicon Oxynitride Sale Price by Company (2020-2025) & (US\$/Ton)
- Table 21. Key Manufacturers Silicon Oxynitride Producing Area Distribution and Sales Area
- Table 22. Players Silicon Oxynitride Products Offered
- Table 23. Silicon Oxynitride Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
- Table 24. New Products and Potential Entrants
- Table 25. Market M&A Activity & Strategy
- Table 26. Global Silicon Oxynitride Sales by Geographic Region (2020-2025) & (Kilotons)
- Table 27. Global Silicon Oxynitride Sales Market Share Geographic Region (2020-2025)
- Table 28. Global Silicon Oxynitride Revenue by Geographic Region (2020-2025) & (\$ millions)
- Table 29. Global Silicon Oxynitride Revenue Market Share by Geographic Region

(2020-2025)

Table 30. Global Silicon Oxynitride Sales by Country/Region (2020-2025) & (Kilotons)

Table 31. Global Silicon Oxynitride Sales Market Share by Country/Region (2020-2025)

Table 32. Global Silicon Oxynitride Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Silicon Oxynitride Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Silicon Oxynitride Sales by Country (2020-2025) & (Kilotons)

Table 35. Americas Silicon Oxynitride Sales Market Share by Country (2020-2025)

Table 36. Americas Silicon Oxynitride Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Silicon Oxynitride Sales by Type (2020-2025) & (Kilotons)

Table 38. Americas Silicon Oxynitride Sales by Application (2020-2025) & (Kilotons)

Table 39. APAC Silicon Oxynitride Sales by Region (2020-2025) & (Kilotons)

Table 40. APAC Silicon Oxynitride Sales Market Share by Region (2020-2025)

Table 41. APAC Silicon Oxynitride Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Silicon Oxynitride Sales by Type (2020-2025) & (Kilotons)

Table 43. APAC Silicon Oxynitride Sales by Application (2020-2025) & (Kilotons)

Table 44. Europe Silicon Oxynitride Sales by Country (2020-2025) & (Kilotons)

Table 45. Europe Silicon Oxynitride Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Silicon Oxynitride Sales by Type (2020-2025) & (Kilotons)

Table 47. Europe Silicon Oxynitride Sales by Application (2020-2025) & (Kilotons)

Table 48. Middle East & Africa Silicon Oxynitride Sales by Country (2020-2025) & (Kilotons)

Table 49. Middle East & Africa Silicon Oxynitride Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Silicon Oxynitride Sales by Type (2020-2025) & (Kilotons)

Table 51. Middle East & Africa Silicon Oxynitride Sales by Application (2020-2025) & (Kilotons)

Table 52. Key Market Drivers & Growth Opportunities of Silicon Oxynitride

Table 53. Key Market Challenges & Risks of Silicon Oxynitride

Table 54. Key Industry Trends of Silicon Oxynitride

Table 55. Silicon Oxynitride Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Silicon Oxynitride Distributors List

Table 58. Silicon Oxynitride Customer List

Table 59. Global Silicon Oxynitride Sales Forecast by Region (2026-2031) & (Kilotons)

Table 60. Global Silicon Oxynitride Revenue Forecast by Region (2026-2031) & (\$ millions)

- Table 61. Americas Silicon Oxynitride Sales Forecast by Country (2026-2031) & (Kilotons)
- Table 62. Americas Silicon Oxynitride Annual Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 63. APAC Silicon Oxynitride Sales Forecast by Region (2026-2031) & (Kilotons)
- Table 64. APAC Silicon Oxynitride Annual Revenue Forecast by Region (2026-2031) & (\$ millions)
- Table 65. Europe Silicon Oxynitride Sales Forecast by Country (2026-2031) & (Kilotons)
- Table 66. Europe Silicon Oxynitride Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 67. Middle East & Africa Silicon Oxynitride Sales Forecast by Country (2026-2031) & (Kilotons)
- Table 68. Middle East & Africa Silicon Oxynitride Revenue Forecast by Country (2026-2031) & (\$ millions)
- Table 69. Global Silicon Oxynitride Sales Forecast by Type (2026-2031) & (Kilotons)
- Table 70. Global Silicon Oxynitride Revenue Forecast by Type (2026-2031) & (\$ millions)
- Table 71. Global Silicon Oxynitride Sales Forecast by Application (2026-2031) & (Kilotons)
- Table 72. Global Silicon Oxynitride Revenue Forecast by Application (2026-2031) & (\$ millions)
- Table 73. American Elements Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors
- Table 74. American Elements Silicon Oxynitride Product Portfolios and Specifications
- Table 75. American Elements Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)
- Table 76. American Elements Main Business
- Table 77. American Elements Latest Developments
- Table 78. Stanford Advanced Materials Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors
- Table 79. Stanford Advanced Materials Silicon Oxynitride Product Portfolios and Specifications
- Table 80. Stanford Advanced Materials Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)
- Table 81. Stanford Advanced Materials Main Business
- Table 82. Stanford Advanced Materials Latest Developments
- Table 83. Ningbo Inno Pharmchem Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors
- Table 84. Ningbo Inno Pharmchem Silicon Oxynitride Product Portfolios and

## Specifications

Table 85. Ningbo Inno Pharmchem Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 86. Ningbo Inno Pharmchem Main Business

Table 87. Ningbo Inno Pharmchem Latest Developments

Table 88. Xiamen Innovacera Advanced Materials Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 89. Xiamen Innovacera Advanced Materials Silicon Oxynitride Product Portfolios and Specifications

Table 90. Xiamen Innovacera Advanced Materials Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 91. Xiamen Innovacera Advanced Materials Main Business

Table 92. Xiamen Innovacera Advanced Materials Latest Developments

Table 93. International Syalons Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 94. International Syalons Silicon Oxynitride Product Portfolios and Specifications

Table 95. International Syalons Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 96. International Syalons Main Business

Table 97. International Syalons Latest Developments

Table 98. SINTX Technologies Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 99. SINTX Technologies Silicon Oxynitride Product Portfolios and Specifications

Table 100. SINTX Technologies Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 101. SINTX Technologies Main Business

Table 102. SINTX Technologies Latest Developments

Table 103. Silcarb Recrystallized Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 104. Silcarb Recrystallized Silicon Oxynitride Product Portfolios and Specifications

Table 105. Silcarb Recrystallized Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 106. Silcarb Recrystallized Main Business

Table 107. Silcarb Recrystallized Latest Developments

Table 108. CeramTec Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 109. CeramTec Silicon Oxynitride Product Portfolios and Specifications

Table 110. CeramTec Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price

(US\$/Ton) and Gross Margin (2020-2025)

Table 111. CeramTec Main Business

Table 112. CeramTec Latest Developments

Table 113. AlzChem Group Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 114. AlzChem Group Silicon Oxynitride Product Portfolios and Specifications

Table 115. AlzChem Group Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 116. AlzChem Group Main Business

Table 117. AlzChem Group Latest Developments

Table 118. EdgeTech Industries Basic Information, Silicon Oxynitride Manufacturing Base, Sales Area and Its Competitors

Table 119. EdgeTech Industries Silicon Oxynitride Product Portfolios and Specifications

Table 120. EdgeTech Industries Silicon Oxynitride Sales (Kilotons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2025)

Table 121. EdgeTech Industries Main Business

Table 122. EdgeTech Industries Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Silicon Oxynitride
- Figure 2. Silicon Oxynitride Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Silicon Oxynitride Sales Growth Rate 2020-2031 (Kilotons)
- Figure 7. Global Silicon Oxynitride Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Silicon Oxynitride Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Silicon Oxynitride Sales Market Share by Country/Region (2024)
- Figure 10. Silicon Oxynitride Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Low-nitrogen SiON (1.45–1.55)
- Figure 12. Product Picture of Mid-nitrogen SiON (1.55–1.80)
- Figure 13. Product Picture of High-nitrogen SiON (> 1.80)
- Figure 14. Global Silicon Oxynitride Sales Market Share by Type in 2025
- Figure 15. Global Silicon Oxynitride Revenue Market Share by Type (2020-2025)
- Figure 16. Silicon Oxynitride Consumed in Semiconductor
- Figure 17. Global Silicon Oxynitride Market: Semiconductor (2020-2025) & (Kilotons)
- Figure 18. Silicon Oxynitride Consumed in Optical
- Figure 19. Global Silicon Oxynitride Market: Optical (2020-2025) & (Kilotons)
- Figure 20. Silicon Oxynitride Consumed in Medical
- Figure 21. Global Silicon Oxynitride Market: Medical (2020-2025) & (Kilotons)
- Figure 22. Silicon Oxynitride Consumed in Others
- Figure 23. Global Silicon Oxynitride Market: Others (2020-2025) & (Kilotons)
- Figure 24. Global Silicon Oxynitride Sale Market Share by Application (2024)
- Figure 25. Global Silicon Oxynitride Revenue Market Share by Application in 2025
- Figure 26. Silicon Oxynitride Sales by Company in 2025 (Kilotons)
- Figure 27. Global Silicon Oxynitride Sales Market Share by Company in 2025
- Figure 28. Silicon Oxynitride Revenue by Company in 2025 (\$ millions)
- Figure 29. Global Silicon Oxynitride Revenue Market Share by Company in 2025
- Figure 30. Global Silicon Oxynitride Sales Market Share by Geographic Region (2020-2025)
- Figure 31. Global Silicon Oxynitride Revenue Market Share by Geographic Region in 2025

- Figure 32. Americas Silicon Oxynitride Sales 2020-2025 (Kilotons)
- Figure 33. Americas Silicon Oxynitride Revenue 2020-2025 (\$ millions)
- Figure 34. APAC Silicon Oxynitride Sales 2020-2025 (Kilotons)
- Figure 35. APAC Silicon Oxynitride Revenue 2020-2025 (\$ millions)
- Figure 36. Europe Silicon Oxynitride Sales 2020-2025 (Kilotons)
- Figure 37. Europe Silicon Oxynitride Revenue 2020-2025 (\$ millions)
- Figure 38. Middle East & Africa Silicon Oxynitride Sales 2020-2025 (Kilotons)
- Figure 39. Middle East & Africa Silicon Oxynitride Revenue 2020-2025 (\$ millions)
- Figure 40. Americas Silicon Oxynitride Sales Market Share by Country in 2025
- Figure 41. Americas Silicon Oxynitride Revenue Market Share by Country (2020-2025)
- Figure 42. Americas Silicon Oxynitride Sales Market Share by Type (2020-2025)
- Figure 43. Americas Silicon Oxynitride Sales Market Share by Application (2020-2025)
- Figure 44. United States Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 45. Canada Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 46. Mexico Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 47. Brazil Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 48. APAC Silicon Oxynitride Sales Market Share by Region in 2025
- Figure 49. APAC Silicon Oxynitride Revenue Market Share by Region (2020-2025)
- Figure 50. APAC Silicon Oxynitride Sales Market Share by Type (2020-2025)
- Figure 51. APAC Silicon Oxynitride Sales Market Share by Application (2020-2025)
- Figure 52. China Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 53. Japan Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 54. South Korea Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 55. Southeast Asia Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 56. India Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 57. Australia Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 58. China Taiwan Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 59. Europe Silicon Oxynitride Sales Market Share by Country in 2025
- Figure 60. Europe Silicon Oxynitride Revenue Market Share by Country (2020-2025)
- Figure 61. Europe Silicon Oxynitride Sales Market Share by Type (2020-2025)
- Figure 62. Europe Silicon Oxynitride Sales Market Share by Application (2020-2025)
- Figure 63. Germany Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 64. France Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 65. UK Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 66. Italy Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 67. Russia Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)
- Figure 68. Middle East & Africa Silicon Oxynitride Sales Market Share by Country (2020-2025)
- Figure 69. Middle East & Africa Silicon Oxynitride Sales Market Share by Type

(2020-2025)

Figure 70. Middle East & Africa Silicon Oxynitride Sales Market Share by Application (2020-2025)

Figure 71. Egypt Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)

Figure 72. South Africa Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)

Figure 73. Israel Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)

Figure 74. Turkey Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)

Figure 75. GCC Countries Silicon Oxynitride Revenue Growth 2020-2025 (\$ millions)

Figure 76. Manufacturing Cost Structure Analysis of Silicon Oxynitride in 2025

Figure 77. Manufacturing Process Analysis of Silicon Oxynitride

Figure 78. Industry Chain Structure of Silicon Oxynitride

Figure 79. Channels of Distribution

Figure 80. Global Silicon Oxynitride Sales Market Forecast by Region (2026-2031)

Figure 81. Global Silicon Oxynitride Revenue Market Share Forecast by Region (2026-2031)

Figure 82. Global Silicon Oxynitride Sales Market Share Forecast by Type (2026-2031)

Figure 83. Global Silicon Oxynitride Revenue Market Share Forecast by Type (2026-2031)

Figure 84. Global Silicon Oxynitride Sales Market Share Forecast by Application (2026-2031)

Figure 85. Global Silicon Oxynitride Revenue Market Share Forecast by Application (2026-2031)

## I would like to order

Product name: Global Silicon Oxynitride Market Growth 2025-2031

Product link: <https://marketpublishers.com/r/G8658660F864EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

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

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G8658660F864EN.html>