

Global K9 Optical Glass Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global K9 Optical Glass market size is expected to reach \$ 424 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032). In 2025, global K9 optical glass production reached 19,796 tons, with an average selling price of US\$13,500 per ton. Global annual production capacity for K9 optical glass is approximately 25,000 tons, with a gross profit margin of approximately 30.36%. K9 optical glass is a commonly used zirconium-free tempered sodium-calcium-aluminum silicate optical glass, widely used in the manufacture of optical components such as imaging systems, lenses, microscopes, and projectors. Upstream raw materials for K9 optical glass include quartz sand, high-purity alumina, and chemicals and gases required for purification. The midstream consists of K9 optical glass manufacturers, while the downstream primarily comprises industries such as consumer electronics, automobiles, and optical instruments.

K9 optical glass, as a medium-refractive-index, widely applicable optical material, maintains stable demand in fields such as optical lenses, microscopes, and imaging systems. The market supply side is mainly composed of manufacturers from China, South Korea, and Japan. Key competitive factors focus on material consistency, finished product size range, thermal stability and low dispersion performance, as well as cost control. Driven by global capacity expansion and downstream applications in imaging, lasers, and sensing, price fluctuations are relatively mild but still affected by market fluctuations in raw materials such as SiO₂ and high-purity molten glass. More manufacturers are improving profit margins per unit by increasing mass production efficiency and enhancing surface quality and dimensional stability. Overall, the K9 optical glass market maintains steady growth, but intense price competition and the impact of higher-end low-dispersion materials are prompting companies to continuously invest in customization, production line automation, and quality control.

This report studies the global K9 Optical Glass production, demand, key manufacturers,

and key regions.

This report is a detailed and comprehensive analysis of the world market for K9 Optical Glass 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 K9 Optical Glass that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global K9 Optical Glass total production and demand, 2021-2032, (Tons)

Global K9 Optical Glass total production value, 2021-2032, (USD Million)

Global K9 Optical Glass production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global K9 Optical Glass consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: K9 Optical Glass domestic production, consumption, key domestic manufacturers and share

Global K9 Optical Glass production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global K9 Optical Glass production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global K9 Optical Glass production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global K9 Optical Glass 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 SHOTT, CONRING, OHARA, Sinoptix, VY Optoelectronics, Changchun UP Optotech, HOYA CORPORATION, Nikon Corporation, Sumita Optical Glass, AGC, 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 K9 Optical Glass market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) 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 K9 Optical Glass Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global K9 Optical Glass Market, Segmentation by Type:

Round

Square

Others

Global K9 Optical Glass Market, Segmentation by Optical Properties:

High Refractive Index Crown Glass

Low Dispersion Glass

Global K9 Optical Glass Market, Segmentation by Chemical Composition:

Borosilicate Glass

Lead-Free Glass

Global K9 Optical Glass Market, Segmentation by Application:

Consumer Electronics

Automotive Electronics

Optical Instruments

Industrial Testing

Medical and Others

Companies Profiled:

SHOTT

CONRING

OHARA

Sinoptix

VY Optoelectronics

Changchun UP Optotech

HOYA CORPORATION

Nikon Corporation

Sumita Optical Glass

AGC

Edmund Optics

Crystran

Changchun UP Optotech

CDGM

NHG

Guangmu

GUOGUANG

Gabrielle

SHANDONG KANGYOU GLASS MATERIAL

CHENGZHUO

Key Questions Answered:

1. How big is the global K9 Optical Glass market?
2. What is the demand of the global K9 Optical Glass market?
3. What is the year over year growth of the global K9 Optical Glass market?
4. What is the production and production value of the global K9 Optical Glass market?
5. Who are the key producers in the global K9 Optical Glass market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 K9 Optical Glass Introduction
- 1.2 World K9 Optical Glass Supply & Forecast
 - 1.2.1 World K9 Optical Glass Production Value (2021 & 2025 & 2032)
 - 1.2.2 World K9 Optical Glass Production (2021-2032)
 - 1.2.3 World K9 Optical Glass Pricing Trends (2021-2032)
- 1.3 World K9 Optical Glass Production by Region (Based on Production Site)
 - 1.3.1 World K9 Optical Glass Production Value by Region (2021-2032)
 - 1.3.2 World K9 Optical Glass Production by Region (2021-2032)
 - 1.3.3 World K9 Optical Glass Average Price by Region (2021-2032)
 - 1.3.4 North America K9 Optical Glass Production (2021-2032)
 - 1.3.5 Europe K9 Optical Glass Production (2021-2032)
 - 1.3.6 China K9 Optical Glass Production (2021-2032)
 - 1.3.7 Japan K9 Optical Glass Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 K9 Optical Glass Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 K9 Optical Glass Major Market Trends

2 DEMAND SUMMARY

- 2.1 World K9 Optical Glass Demand (2021-2032)
- 2.2 World K9 Optical Glass Consumption by Region
 - 2.2.1 World K9 Optical Glass Consumption by Region (2021-2026)
 - 2.2.2 World K9 Optical Glass Consumption Forecast by Region (2027-2032)
- 2.3 United States K9 Optical Glass Consumption (2021-2032)
- 2.4 China K9 Optical Glass Consumption (2021-2032)
- 2.5 Europe K9 Optical Glass Consumption (2021-2032)
- 2.6 Japan K9 Optical Glass Consumption (2021-2032)
- 2.7 South Korea K9 Optical Glass Consumption (2021-2032)
- 2.8 ASEAN K9 Optical Glass Consumption (2021-2032)
- 2.9 India K9 Optical Glass Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World K9 Optical Glass Production Value by Manufacturer (2021-2026)

- 3.2 World K9 Optical Glass Production by Manufacturer (2021-2026)
- 3.3 World K9 Optical Glass Average Price by Manufacturer (2021-2026)
- 3.4 K9 Optical Glass Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global K9 Optical Glass Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for K9 Optical Glass in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for K9 Optical Glass in 2025
- 3.6 K9 Optical Glass Market: Overall Company Footprint Analysis
 - 3.6.1 K9 Optical Glass Market: Region Footprint
 - 3.6.2 K9 Optical Glass Market: Company Product Type Footprint
 - 3.6.3 K9 Optical Glass 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: K9 Optical Glass Production Value Comparison
 - 4.1.1 United States VS China: K9 Optical Glass Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: K9 Optical Glass Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: K9 Optical Glass Production Comparison
 - 4.2.1 United States VS China: K9 Optical Glass Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: K9 Optical Glass Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: K9 Optical Glass Consumption Comparison
 - 4.3.1 United States VS China: K9 Optical Glass Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: K9 Optical Glass Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based K9 Optical Glass Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based K9 Optical Glass Manufacturers, Headquarters and Production Site (States, Country)
 - 4.4.2 United States Based Manufacturers K9 Optical Glass Production Value

(2021-2026)

4.4.3 United States Based Manufacturers K9 Optical Glass Production (2021-2026)

4.5 China Based K9 Optical Glass Manufacturers and Market Share

4.5.1 China Based K9 Optical Glass Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers K9 Optical Glass Production Value (2021-2026)

4.5.3 China Based Manufacturers K9 Optical Glass Production (2021-2026)

4.6 Rest of World Based K9 Optical Glass Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based K9 Optical Glass Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers K9 Optical Glass Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers K9 Optical Glass Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World K9 Optical Glass Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Round

5.2.2 Square

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World K9 Optical Glass Production by Type (2021-2032)

5.3.2 World K9 Optical Glass Production Value by Type (2021-2032)

5.3.3 World K9 Optical Glass Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY OPTICAL PROPERTIES

6.1 World K9 Optical Glass Market Size Overview by Optical Properties: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Optical Properties

6.2.1 High Refractive Index Crown Glass

6.2.2 Low Dispersion Glass

6.3 Market Segment by Optical Properties

6.3.1 World K9 Optical Glass Production by Optical Properties (2021-2032)

6.3.2 World K9 Optical Glass Production Value by Optical Properties (2021-2032)

6.3.3 World K9 Optical Glass Average Price by Optical Properties (2021-2032)

7 MARKET ANALYSIS BY CHEMICAL COMPOSITION

7.1 World K9 Optical Glass Market Size Overview by Chemical Composition: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Chemical Composition

7.2.1 Borosilicate Glass

7.2.2 Lead-Free Glass

7.3 Market Segment by Chemical Composition

7.3.1 World K9 Optical Glass Production by Chemical Composition (2021-2032)

7.3.2 World K9 Optical Glass Production Value by Chemical Composition (2021-2032)

7.3.3 World K9 Optical Glass Average Price by Chemical Composition (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World K9 Optical Glass Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Consumer Electronics

8.2.2 Automotive Electronics

8.2.3 Optical Instruments

8.2.4 Industrial Testing

8.2.5 Medical and Others

8.3 Market Segment by Application

8.3.1 World K9 Optical Glass Production by Application (2021-2032)

8.3.2 World K9 Optical Glass Production Value by Application (2021-2032)

8.3.3 World K9 Optical Glass Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 SHOTT

9.1.1 SHOTT Details

9.1.2 SHOTT Major Business

9.1.3 SHOTT K9 Optical Glass Product and Services

9.1.4 SHOTT K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 SHOTT Recent Developments/Updates

9.1.6 SHOTT Competitive Strengths & Weaknesses

9.2 CONRING

9.2.1 CONRING Details

9.2.2 CONRING Major Business

- 9.2.3 CONRING K9 Optical Glass Product and Services
- 9.2.4 CONRING K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 CONRING Recent Developments/Updates
- 9.2.6 CONRING Competitive Strengths & Weaknesses
- 9.3 OHARA
 - 9.3.1 OHARA Details
 - 9.3.2 OHARA Major Business
 - 9.3.3 OHARA K9 Optical Glass Product and Services
 - 9.3.4 OHARA K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 OHARA Recent Developments/Updates
 - 9.3.6 OHARA Competitive Strengths & Weaknesses
- 9.4 Sinoptix
 - 9.4.1 Sinoptix Details
 - 9.4.2 Sinoptix Major Business
 - 9.4.3 Sinoptix K9 Optical Glass Product and Services
 - 9.4.4 Sinoptix K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Sinoptix Recent Developments/Updates
 - 9.4.6 Sinoptix Competitive Strengths & Weaknesses
- 9.5 VY Optoelectronics
 - 9.5.1 VY Optoelectronics Details
 - 9.5.2 VY Optoelectronics Major Business
 - 9.5.3 VY Optoelectronics K9 Optical Glass Product and Services
 - 9.5.4 VY Optoelectronics K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 VY Optoelectronics Recent Developments/Updates
 - 9.5.6 VY Optoelectronics Competitive Strengths & Weaknesses
- 9.6 Changchun UP Optotech
 - 9.6.1 Changchun UP Optotech Details
 - 9.6.2 Changchun UP Optotech Major Business
 - 9.6.3 Changchun UP Optotech K9 Optical Glass Product and Services
 - 9.6.4 Changchun UP Optotech K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Changchun UP Optotech Recent Developments/Updates
 - 9.6.6 Changchun UP Optotech Competitive Strengths & Weaknesses
- 9.7 HOYA CORPORATION
 - 9.7.1 HOYA CORPORATION Details

- 9.7.2 HOYA CORPORATION Major Business
- 9.7.3 HOYA CORPORATION K9 Optical Glass Product and Services
- 9.7.4 HOYA CORPORATION K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.7.5 HOYA CORPORATION Recent Developments/Updates
- 9.7.6 HOYA CORPORATION Competitive Strengths & Weaknesses
- 9.8 Nikon Corporation
 - 9.8.1 Nikon Corporation Details
 - 9.8.2 Nikon Corporation Major Business
 - 9.8.3 Nikon Corporation K9 Optical Glass Product and Services
 - 9.8.4 Nikon Corporation K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Nikon Corporation Recent Developments/Updates
 - 9.8.6 Nikon Corporation Competitive Strengths & Weaknesses
- 9.9 Sumita Optical Glass
 - 9.9.1 Sumita Optical Glass Details
 - 9.9.2 Sumita Optical Glass Major Business
 - 9.9.3 Sumita Optical Glass K9 Optical Glass Product and Services
 - 9.9.4 Sumita Optical Glass K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Sumita Optical Glass Recent Developments/Updates
 - 9.9.6 Sumita Optical Glass Competitive Strengths & Weaknesses
- 9.10 AGC
 - 9.10.1 AGC Details
 - 9.10.2 AGC Major Business
 - 9.10.3 AGC K9 Optical Glass Product and Services
 - 9.10.4 AGC K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 AGC Recent Developments/Updates
 - 9.10.6 AGC Competitive Strengths & Weaknesses
- 9.11 Edmund Optics
 - 9.11.1 Edmund Optics Details
 - 9.11.2 Edmund Optics Major Business
 - 9.11.3 Edmund Optics K9 Optical Glass Product and Services
 - 9.11.4 Edmund Optics K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Edmund Optics Recent Developments/Updates
 - 9.11.6 Edmund Optics Competitive Strengths & Weaknesses
- 9.12 Crystran

- 9.12.1 Crystran Details
- 9.12.2 Crystran Major Business
- 9.12.3 Crystran K9 Optical Glass Product and Services
- 9.12.4 Crystran K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Crystran Recent Developments/Updates
- 9.12.6 Crystran Competitive Strengths & Weaknesses
- 9.13 Changchun UP Optotech
 - 9.13.1 Changchun UP Optotech Details
 - 9.13.2 Changchun UP Optotech Major Business
 - 9.13.3 Changchun UP Optotech K9 Optical Glass Product and Services
 - 9.13.4 Changchun UP Optotech K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Changchun UP Optotech Recent Developments/Updates
 - 9.13.6 Changchun UP Optotech Competitive Strengths & Weaknesses
- 9.14 CDGM
 - 9.14.1 CDGM Details
 - 9.14.2 CDGM Major Business
 - 9.14.3 CDGM K9 Optical Glass Product and Services
 - 9.14.4 CDGM K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 CDGM Recent Developments/Updates
 - 9.14.6 CDGM Competitive Strengths & Weaknesses
- 9.15 NHG
 - 9.15.1 NHG Details
 - 9.15.2 NHG Major Business
 - 9.15.3 NHG K9 Optical Glass Product and Services
 - 9.15.4 NHG K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 NHG Recent Developments/Updates
 - 9.15.6 NHG Competitive Strengths & Weaknesses
- 9.16 Guangmu
 - 9.16.1 Guangmu Details
 - 9.16.2 Guangmu Major Business
 - 9.16.3 Guangmu K9 Optical Glass Product and Services
 - 9.16.4 Guangmu K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Guangmu Recent Developments/Updates
 - 9.16.6 Guangmu Competitive Strengths & Weaknesses

9.17 GUOGUANG

9.17.1 GUOGUANG Details

9.17.2 GUOGUANG Major Business

9.17.3 GUOGUANG K9 Optical Glass Product and Services

9.17.4 GUOGUANG K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 GUOGUANG Recent Developments/Updates

9.17.6 GUOGUANG Competitive Strengths & Weaknesses

9.18 Gabrielle

9.18.1 Gabrielle Details

9.18.2 Gabrielle Major Business

9.18.3 Gabrielle K9 Optical Glass Product and Services

9.18.4 Gabrielle K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.18.5 Gabrielle Recent Developments/Updates

9.18.6 Gabrielle Competitive Strengths & Weaknesses

9.19 SHANDONG KANGYOU GLASS MATERIAL

9.19.1 SHANDONG KANGYOU GLASS MATERIAL Details

9.19.2 SHANDONG KANGYOU GLASS MATERIAL Major Business

9.19.3 SHANDONG KANGYOU GLASS MATERIAL K9 Optical Glass Product and Services

9.19.4 SHANDONG KANGYOU GLASS MATERIAL K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.19.5 SHANDONG KANGYOU GLASS MATERIAL Recent Developments/Updates

9.19.6 SHANDONG KANGYOU GLASS MATERIAL Competitive Strengths & Weaknesses

9.20 CHENGZHUO

9.20.1 CHENGZHUO Details

9.20.2 CHENGZHUO Major Business

9.20.3 CHENGZHUO K9 Optical Glass Product and Services

9.20.4 CHENGZHUO K9 Optical Glass Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.20.5 CHENGZHUO Recent Developments/Updates

9.20.6 CHENGZHUO Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 K9 Optical Glass Industry Chain

10.2 K9 Optical Glass Upstream Analysis

- 10.2.1 K9 Optical Glass Core Raw Materials
- 10.2.2 Main Manufacturers of K9 Optical Glass Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 K9 Optical Glass Production Mode
- 10.6 K9 Optical Glass Procurement Model
- 10.7 K9 Optical Glass Industry Sales Model and Sales Channels
 - 10.7.1 K9 Optical Glass Sales Model
 - 10.7.2 K9 Optical Glass 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 K9 Optical Glass Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World K9 Optical Glass Production Value by Region (2021-2026) & (USD Million)
- Table 3. World K9 Optical Glass Production Value by Region (2027-2032) & (USD Million)
- Table 4. World K9 Optical Glass Production Value Market Share by Region (2021-2026)
- Table 5. World K9 Optical Glass Production Value Market Share by Region (2027-2032)
- Table 6. World K9 Optical Glass Production by Region (2021-2026) & (Tons)
- Table 7. World K9 Optical Glass Production by Region (2027-2032) & (Tons)
- Table 8. World K9 Optical Glass Production Market Share by Region (2021-2026)
- Table 9. World K9 Optical Glass Production Market Share by Region (2027-2032)
- Table 10. World K9 Optical Glass Average Price by Region (2021-2026) & (US\$/Ton)
- Table 11. World K9 Optical Glass Average Price by Region (2027-2032) & (US\$/Ton)
- Table 12. K9 Optical Glass Major Market Trends
- Table 13. World K9 Optical Glass Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)
- Table 14. World K9 Optical Glass Consumption by Region (2021-2026) & (Tons)
- Table 15. World K9 Optical Glass Consumption Forecast by Region (2027-2032) & (Tons)
- Table 16. World K9 Optical Glass Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key K9 Optical Glass Producers in 2025
- Table 18. World K9 Optical Glass Production by Manufacturer (2021-2026) & (Tons)
- Table 19. Production Market Share of Key K9 Optical Glass Producers in 2025
- Table 20. World K9 Optical Glass Average Price by Manufacturer (2021-2026) & (US\$/Ton)
- Table 21. Global K9 Optical Glass Company Evaluation Quadrant
- Table 22. World K9 Optical Glass Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and K9 Optical Glass Production Site of Key Manufacturer
- Table 24. K9 Optical Glass Market: Company Product Type Footprint
- Table 25. K9 Optical Glass Market: Company Product Application Footprint
- Table 26. K9 Optical Glass Competitive Factors
- Table 27. K9 Optical Glass New Entrant and Capacity Expansion Plans

Table 28. K9 Optical Glass Mergers & Acquisitions Activity

Table 29. United States VS China K9 Optical Glass Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China K9 Optical Glass Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China K9 Optical Glass Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based K9 Optical Glass Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers K9 Optical Glass Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers K9 Optical Glass Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers K9 Optical Glass Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers K9 Optical Glass Production Market Share (2021-2026)

Table 37. China Based K9 Optical Glass Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers K9 Optical Glass Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers K9 Optical Glass Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers K9 Optical Glass Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers K9 Optical Glass Production Market Share (2021-2026)

Table 42. Rest of World Based K9 Optical Glass Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers K9 Optical Glass Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers K9 Optical Glass Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers K9 Optical Glass Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers K9 Optical Glass Production Market Share (2021-2026)

Table 47. World K9 Optical Glass Production Value by Type, (USD Million), 2021 & 2025 & 2032

- Table 48. World K9 Optical Glass Production by Type (2021-2026) & (Tons)
- Table 49. World K9 Optical Glass Production by Type (2027-2032) & (Tons)
- Table 50. World K9 Optical Glass Production Value by Type (2021-2026) & (USD Million)
- Table 51. World K9 Optical Glass Production Value by Type (2027-2032) & (USD Million)
- Table 52. World K9 Optical Glass Average Price by Type (2021-2026) & (US\$/Ton)
- Table 53. World K9 Optical Glass Average Price by Type (2027-2032) & (US\$/Ton)
- Table 54. World K9 Optical Glass Production Value by Optical Properties, (USD Million), 2021 & 2025 & 2032
- Table 55. World K9 Optical Glass Production by Optical Properties (2021-2026) & (Tons)
- Table 56. World K9 Optical Glass Production by Optical Properties (2027-2032) & (Tons)
- Table 57. World K9 Optical Glass Production Value by Optical Properties (2021-2026) & (USD Million)
- Table 58. World K9 Optical Glass Production Value by Optical Properties (2027-2032) & (USD Million)
- Table 59. World K9 Optical Glass Average Price by Optical Properties (2021-2026) & (US\$/Ton)
- Table 60. World K9 Optical Glass Average Price by Optical Properties (2027-2032) & (US\$/Ton)
- Table 61. World K9 Optical Glass Production Value by Chemical Composition, (USD Million), 2021 & 2025 & 2032
- Table 62. World K9 Optical Glass Production by Chemical Composition (2021-2026) & (Tons)
- Table 63. World K9 Optical Glass Production by Chemical Composition (2027-2032) & (Tons)
- Table 64. World K9 Optical Glass Production Value by Chemical Composition (2021-2026) & (USD Million)
- Table 65. World K9 Optical Glass Production Value by Chemical Composition (2027-2032) & (USD Million)
- Table 66. World K9 Optical Glass Average Price by Chemical Composition (2021-2026) & (US\$/Ton)
- Table 67. World K9 Optical Glass Average Price by Chemical Composition (2027-2032) & (US\$/Ton)
- Table 68. World K9 Optical Glass Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World K9 Optical Glass Production by Application (2021-2026) & (Tons)

- Table 70. World K9 Optical Glass Production by Application (2027-2032) & (Tons)
- Table 71. World K9 Optical Glass Production Value by Application (2021-2026) & (USD Million)
- Table 72. World K9 Optical Glass Production Value by Application (2027-2032) & (USD Million)
- Table 73. World K9 Optical Glass Average Price by Application (2021-2026) & (US\$/Ton)
- Table 74. World K9 Optical Glass Average Price by Application (2027-2032) & (US\$/Ton)
- Table 75. SHOTT Basic Information, Manufacturing Base and Competitors
- Table 76. SHOTT Major Business
- Table 77. SHOTT K9 Optical Glass Product and Services
- Table 78. SHOTT K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. SHOTT Recent Developments/Updates
- Table 80. SHOTT Competitive Strengths & Weaknesses
- Table 81. CONRING Basic Information, Manufacturing Base and Competitors
- Table 82. CONRING Major Business
- Table 83. CONRING K9 Optical Glass Product and Services
- Table 84. CONRING K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. CONRING Recent Developments/Updates
- Table 86. CONRING Competitive Strengths & Weaknesses
- Table 87. OHARA Basic Information, Manufacturing Base and Competitors
- Table 88. OHARA Major Business
- Table 89. OHARA K9 Optical Glass Product and Services
- Table 90. OHARA K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. OHARA Recent Developments/Updates
- Table 92. OHARA Competitive Strengths & Weaknesses
- Table 93. Sinoptix Basic Information, Manufacturing Base and Competitors
- Table 94. Sinoptix Major Business
- Table 95. Sinoptix K9 Optical Glass Product and Services
- Table 96. Sinoptix K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Sinoptix Recent Developments/Updates
- Table 98. Sinoptix Competitive Strengths & Weaknesses
- Table 99. VY Optoelectronics Basic Information, Manufacturing Base and Competitors
- Table 100. VY Optoelectronics Major Business

- Table 101. VY Optoelectronics K9 Optical Glass Product and Services
- Table 102. VY Optoelectronics K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. VY Optoelectronics Recent Developments/Updates
- Table 104. VY Optoelectronics Competitive Strengths & Weaknesses
- Table 105. Changchun UP Optotech Basic Information, Manufacturing Base and Competitors
- Table 106. Changchun UP Optotech Major Business
- Table 107. Changchun UP Optotech K9 Optical Glass Product and Services
- Table 108. Changchun UP Optotech K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Changchun UP Optotech Recent Developments/Updates
- Table 110. Changchun UP Optotech Competitive Strengths & Weaknesses
- Table 111. HOYA CORPORATION Basic Information, Manufacturing Base and Competitors
- Table 112. HOYA CORPORATION Major Business
- Table 113. HOYA CORPORATION K9 Optical Glass Product and Services
- Table 114. HOYA CORPORATION K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. HOYA CORPORATION Recent Developments/Updates
- Table 116. HOYA CORPORATION Competitive Strengths & Weaknesses
- Table 117. Nikon Corporation Basic Information, Manufacturing Base and Competitors
- Table 118. Nikon Corporation Major Business
- Table 119. Nikon Corporation K9 Optical Glass Product and Services
- Table 120. Nikon Corporation K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Nikon Corporation Recent Developments/Updates
- Table 122. Nikon Corporation Competitive Strengths & Weaknesses
- Table 123. Sumita Optical Glass Basic Information, Manufacturing Base and Competitors
- Table 124. Sumita Optical Glass Major Business
- Table 125. Sumita Optical Glass K9 Optical Glass Product and Services
- Table 126. Sumita Optical Glass K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Sumita Optical Glass Recent Developments/Updates
- Table 128. Sumita Optical Glass Competitive Strengths & Weaknesses
- Table 129. AGC Basic Information, Manufacturing Base and Competitors

- Table 130. AGC Major Business
- Table 131. AGC K9 Optical Glass Product and Services
- Table 132. AGC K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. AGC Recent Developments/Updates
- Table 134. AGC Competitive Strengths & Weaknesses
- Table 135. Edmund Optics Basic Information, Manufacturing Base and Competitors
- Table 136. Edmund Optics Major Business
- Table 137. Edmund Optics K9 Optical Glass Product and Services
- Table 138. Edmund Optics K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Edmund Optics Recent Developments/Updates
- Table 140. Edmund Optics Competitive Strengths & Weaknesses
- Table 141. Crystran Basic Information, Manufacturing Base and Competitors
- Table 142. Crystran Major Business
- Table 143. Crystran K9 Optical Glass Product and Services
- Table 144. Crystran K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Crystran Recent Developments/Updates
- Table 146. Crystran Competitive Strengths & Weaknesses
- Table 147. Changchun UP Optotech Basic Information, Manufacturing Base and Competitors
- Table 148. Changchun UP Optotech Major Business
- Table 149. Changchun UP Optotech K9 Optical Glass Product and Services
- Table 150. Changchun UP Optotech K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Changchun UP Optotech Recent Developments/Updates
- Table 152. Changchun UP Optotech Competitive Strengths & Weaknesses
- Table 153. CDGM Basic Information, Manufacturing Base and Competitors
- Table 154. CDGM Major Business
- Table 155. CDGM K9 Optical Glass Product and Services
- Table 156. CDGM K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. CDGM Recent Developments/Updates
- Table 158. CDGM Competitive Strengths & Weaknesses
- Table 159. NHG Basic Information, Manufacturing Base and Competitors
- Table 160. NHG Major Business
- Table 161. NHG K9 Optical Glass Product and Services

Table 162. NHG K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. NHG Recent Developments/Updates

Table 164. NHG Competitive Strengths & Weaknesses

Table 165. Guangmu Basic Information, Manufacturing Base and Competitors

Table 166. Guangmu Major Business

Table 167. Guangmu K9 Optical Glass Product and Services

Table 168. Guangmu K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Guangmu Recent Developments/Updates

Table 170. Guangmu Competitive Strengths & Weaknesses

Table 171. GUOGUANG Basic Information, Manufacturing Base and Competitors

Table 172. GUOGUANG Major Business

Table 173. GUOGUANG K9 Optical Glass Product and Services

Table 174. GUOGUANG K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. GUOGUANG Recent Developments/Updates

Table 176. GUOGUANG Competitive Strengths & Weaknesses

Table 177. Gabrielle Basic Information, Manufacturing Base and Competitors

Table 178. Gabrielle Major Business

Table 179. Gabrielle K9 Optical Glass Product and Services

Table 180. Gabrielle K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Gabrielle Recent Developments/Updates

Table 182. Gabrielle Competitive Strengths & Weaknesses

Table 183. SHANDONG KANGYOU GLASS MATERIAL Basic Information, Manufacturing Base and Competitors

Table 184. SHANDONG KANGYOU GLASS MATERIAL Major Business

Table 185. SHANDONG KANGYOU GLASS MATERIAL K9 Optical Glass Product and Services

Table 186. SHANDONG KANGYOU GLASS MATERIAL K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. SHANDONG KANGYOU GLASS MATERIAL Recent Developments/Updates

Table 188. SHANDONG KANGYOU GLASS MATERIAL Competitive Strengths & Weaknesses

Table 189. CHENGZHUO Basic Information, Manufacturing Base and Competitors

Table 190. CHENGZHUO Major Business

- Table 191. CHENGZHUO K9 Optical Glass Product and Services
- Table 192. CHENGZHUO K9 Optical Glass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. CHENGZHUO Recent Developments/Updates
- Table 194. CHENGZHUO Competitive Strengths & Weaknesses
- Table 195. Global Key Players of K9 Optical Glass Upstream (Raw Materials)
- Table 196. Global K9 Optical Glass Typical Customers
- Table 197. K9 Optical Glass Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. K9 Optical Glass Picture

Figure 2. World K9 Optical Glass Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World K9 Optical Glass Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World K9 Optical Glass Production (2021-2032) & (Tons)

Figure 5. World K9 Optical Glass Average Price (2021-2032) & (US\$/Ton)

Figure 6. World K9 Optical Glass Production Value Market Share by Region (2021-2032)

Figure 7. World K9 Optical Glass Production Market Share by Region (2021-2032)

Figure 8. North America K9 Optical Glass Production (2021-2032) & (Tons)

Figure 9. Europe K9 Optical Glass Production (2021-2032) & (Tons)

Figure 10. China K9 Optical Glass Production (2021-2032) & (Tons)

Figure 11. Japan K9 Optical Glass Production (2021-2032) & (Tons)

Figure 12. K9 Optical Glass Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 15. World K9 Optical Glass Consumption Market Share by Region (2021-2032)

Figure 16. United States K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 17. China K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 18. Europe K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 19. Japan K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 20. South Korea K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 21. ASEAN K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 22. India K9 Optical Glass Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of K9 Optical Glass by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for K9 Optical Glass Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for K9 Optical Glass Markets in 2025

Figure 26. United States VS China: K9 Optical Glass Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: K9 Optical Glass Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: K9 Optical Glass Consumption Market Share

Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers K9 Optical Glass Production Market Share 2025

Figure 30. China Based Manufacturers K9 Optical Glass Production Market Share 2025

Figure 31. Rest of World Based Manufacturers K9 Optical Glass Production Market Share 2025

Figure 32. World K9 Optical Glass Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World K9 Optical Glass Production Value Market Share by Type in 2025

Figure 34. Round

Figure 35. Square

Figure 36. Others

Figure 37. World K9 Optical Glass Production Market Share by Type (2021-2032)

Figure 38. World K9 Optical Glass Production Value Market Share by Type (2021-2032)

Figure 39. World K9 Optical Glass Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. World K9 Optical Glass Production Value by Optical Properties, (USD Million), 2021 & 2025 & 2032

Figure 41. World K9 Optical Glass Production Value Market Share by Optical Properties in 2025

Figure 42. High Refractive Index Crown Glass

Figure 43. Low Dispersion Glass

Figure 44. World K9 Optical Glass Production Market Share by Optical Properties (2021-2032)

Figure 45. World K9 Optical Glass Production Value Market Share by Optical Properties (2021-2032)

Figure 46. World K9 Optical Glass Average Price by Optical Properties (2021-2032) & (US\$/Ton)

Figure 47. World K9 Optical Glass Production Value by Chemical Composition, (USD Million), 2021 & 2025 & 2032

Figure 48. World K9 Optical Glass Production Value Market Share by Chemical Composition in 2025

Figure 49. Borosilicate Glass

Figure 50. Lead-Free Glass

Figure 51. World K9 Optical Glass Production Market Share by Chemical Composition (2021-2032)

Figure 52. World K9 Optical Glass Production Value Market Share by Chemical Composition (2021-2032)

Figure 53. World K9 Optical Glass Average Price by Chemical Composition (2021-2032) & (US\$/Ton)

Figure 54. World K9 Optical Glass Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World K9 Optical Glass Production Value Market Share by Application in 2025

Figure 56. Consumer Electronics

Figure 57. Automotive Electronics

Figure 58. Optical Instruments

Figure 59. Industrial Testing

Figure 60. Medical and Others

Figure 61. World K9 Optical Glass Production Market Share by Application (2021-2032)

Figure 62. World K9 Optical Glass Production Value Market Share by Application (2021-2032)

Figure 63. World K9 Optical Glass Average Price by Application (2021-2032) & (US\$/Ton)

Figure 64. K9 Optical Glass Industry Chain

Figure 65. K9 Optical Glass Procurement Model

Figure 66. K9 Optical Glass Sales Model

Figure 67. K9 Optical Glass Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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