

# Global Electronic Grade Polysilicon Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

According to our (Global Info Research) latest study, the global Electronic Grade Polysilicon market size was valued at USD 1538.3 million in 2023 and is forecast to a readjusted size of USD 947.5 million by 2030 with a CAGR of -6.7% during review period.

Silicon is the second most abundant element on Earth, and polysilicon is an ultrapure form of silicon. The electronic field is a key application area of polysilicon, but polysilicon for electronics (electronic grade polysilicon or semiconductor grade polysilicon) must have a higher purity, generally 99.9999999% and 99.99999999% (9N to 11N).

Global typical electronic grade polysilicon players include Wacker Chemie, Tokuyama Corporation, Hemlock Semiconductor, Mitsubishi and Sinosico, etc. The top 5 companies hold a share nearly 80%. The global electronic grade polysilicon are mainly produced in United States and Europe, they occupied for a share over 50%. China is the largest market, with a share about 35%, followed by North America and Europe with the share about 22% and 17%.

The Global Info Research report includes an overview of the development of the Electronic Grade Polysilicon industry chain, the market status of 300mm Wafer (Grade I, Grade II), 200mm Wafer (Grade I, Grade II), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Electronic Grade Polysilicon.

Regionally, the report analyzes the Electronic Grade Polysilicon markets in key regions. North America and Europe are experiencing steady growth, driven by government



initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Electronic Grade Polysilicon market, with robust domestic demand, supportive policies, and a strong manufacturing base.

# Key Features:

The report presents comprehensive understanding of the Electronic Grade Polysilicon market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Electronic Grade Polysilicon industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Grade I, Grade II).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Electronic Grade Polysilicon market.

Regional Analysis: The report involves examining the Electronic Grade Polysilicon market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Electronic Grade Polysilicon market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Electronic Grade Polysilicon:

Company Analysis: Report covers individual Electronic Grade Polysilicon manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.



Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Electronic Grade Polysilicon This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (300mm Wafer, 200mm Wafer).

Technology Analysis: Report covers specific technologies relevant to Electronic Grade Polysilicon. It assesses the current state, advancements, and potential future developments in Electronic Grade Polysilicon areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Electronic Grade Polysilicon market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Market segment by Type

Electronic Grade Polysilicon market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Grade II
Grade III

Market segment by Application

300mm Wafer

200mm Wafer

Others



# Major players covered

Wacker Chemie

**Tokuyama Corporation** 

Hemlock Semiconductor

Mitsubishi

Sinosico

**GCL-Poly Energy** 

OCI

Huanghe Hydropower

Yichang CSG

**REC Silicon** 

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)



The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Electronic Grade Polysilicon product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electronic Grade Polysilicon, with price, sales, revenue and global market share of Electronic Grade Polysilicon from 2019 to 2024.

Chapter 3, the Electronic Grade Polysilicon competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electronic Grade Polysilicon breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Electronic Grade Polysilicon market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Electronic Grade Polysilicon.

Chapter 14 and 15, to describe Electronic Grade Polysilicon sales channel, distributors, customers, research findings and conclusion.



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