

# Global Polysilicon Etchant Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Polysilicon Etchant market size is expected to reach \$ 1203 million by 2032, rising at a market growth of 6.7% CAGR during the forecast period (2026-2032).

In 2025, global sales volume of Polysilicon Etchant reached 53,600 tons, with an average global price of approximately USD 13.8/kg. The gross margin of major industry players was around 18%–35%. Polysilicon Etchant is wet electronic chemicals used for the selective etching, removal, or trimming of polysilicon films/layers. They are commonly applied in semiconductor wafer manufacturing, MEMS, display panels, and photovoltaic wafer processing. Their core function is to achieve controllable corrosion of polysilicon through acid mixed-acid systems, alkaline etching systems, or dedicated selective formulations, while ensuring etch rate stability, uniformity, selectivity, low residue, and low metal contamination.

This report studies the global Polysilicon Etchant production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Polysilicon Etchant total production and demand, 2021-2032, (Tons)

Global Polysilicon Etchant total production value, 2021-2032, (USD Million)

Global Polysilicon Etchant production by region & country, production, value, CAGR,

2021-2032, (USD Million) & (Tons), (based on production site)

Global Polysilicon Etchant consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Polysilicon Etchant domestic production, consumption, key domestic manufacturers and share

Global Polysilicon Etchant production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Polysilicon Etchant production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Polysilicon Etchant production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Polysilicon Etchant 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 SACHEM, Noel Technologies, BASF, ICL, FUJIFILM, KANTO-PPC, LCY, Kingyu Chemicals, GrandiT, LIAN SHI NEW MATERIAL, 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 Polysilicon Etchant 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 Polysilicon Etchant Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Polysilicon Etchant Market, Segmentation by Type:

Acidic

Alkaline

#### Global Polysilicon Etchant Market, Segmentation by Purity:

Electronic Grade

Industrial Grade

#### Global Polysilicon Etchant Market, Segmentation by Application:

Photovoltaics

Semiconductor

Other

#### Companies Profiled:

SACHEM

Noel Technologies

BASF

ICL

FUJIFILM

KANTO-PPC

LCY

Kingyu Chemicals

GrandiT

LIAN SHI NEW MATERIAL

SUNLIT CHEMICAL

Hubei Sinophorus Electronic Materials

Key Questions Answered:

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

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