

Global Semiconductor Grade NMP Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Semiconductor Grade NMP market size is expected to reach \$ 2784 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global Semiconductor Grade NMP production reached approximately 635.71 million tons, with an average global market price of around US\$2,800 per ton.

The gross profit margin of major companies in the industry is between 22% ? 38%.

In 2025, the global production capacity of Semiconductor Grade NMP was approximately 798.41 million tons.

Semiconductor Grade NMP (N-Methyl-2-pyrrolidone) is a high-purity solvent used in semiconductor manufacturing for photoresist removal, wafer cleaning, and advanced chemical processing. It requires strict control of water, metallic impurities, and organics to meet ultra-clean standards.

The industrial chain includes upstream chemical feedstocks, purification systems, filtration, solvent blending, and quality testing. Midstream covers packaging, distribution, and cleanroom handling. Downstream applications mainly include wafer fabrication, photolithography, IC cleaning, MEMS manufacturing, and advanced electronics processes.

The semiconductor grade NMP market is driven by the expansion of wafer fabrication, photoresist stripping, and electronic cleaning processes. High purity, low metal ion content, and stable chemical properties are essential to support advanced chip

manufacturing, with supply stability and quality consistency as key competitive factors.

This report studies the global Semiconductor Grade NMP production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Semiconductor Grade NMP total production and demand, 2021-2032, (K Tons)

Global Semiconductor Grade NMP total production value, 2021-2032, (USD Million)

Global Semiconductor Grade NMP production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Tons), (based on production site)

Global Semiconductor Grade NMP consumption by region & country, CAGR, 2021-2032 & (K Tons)

U.S. VS China: Semiconductor Grade NMP domestic production, consumption, key domestic manufacturers and share

Global Semiconductor Grade NMP production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Tons)

Global Semiconductor Grade NMP production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Tons)

Global Semiconductor Grade NMP production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Tons)

This report profiles key players in the global Semiconductor Grade NMP 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 Shin-Etsu Chemical, Dow Chemical, Mitsubishi Chemical, Merck KGaA, Honeywell, Nouryon, BASF, Mitsubishi Chemical, BYN Electronic Materials, Changxin Chemical Science-Tech, 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 Semiconductor Grade NMP market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K 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 Semiconductor Grade NMP Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Semiconductor Grade NMP Market, Segmentation by Type:

EL Grade Semiconductor NMP

UP Grade Semiconductor NMP

UPSS Grade Semiconductor NMP

Global Semiconductor Grade NMP Market, Segmentation by Packaging Mode:

Bulk Barrel NMP

ISO Tank NMP

Small Sealed Drum NMP

Global Semiconductor Grade NMP Market, Segmentation by Moisture Content Parameter:

Low Moisture (<50 ppm)

Medium Moisture (50~100 ppm)

High Moisture (>100 ppm)

Global Semiconductor Grade NMP Market, Segmentation by Application:

Photoresist Stripping

Wafer Surface Cleaning

Electronic Grade Solvent Proportioning

Other

Companies Profiled:

Shin-Etsu Chemical

Dow Chemical

Mitsubishi Chemical

Merck KGaA

Honeywell

Nouryon

BASF

Mitsubishi Chemical

BYN Electronic Materials

Changxin Chemical Science-Tech

Jingrui New Energy

Hualu Hengsheng

Baihong Yuneng New Material Technology

Key Questions Answered:

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

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