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Global Nickel Paste (? 200 nm) for MLCC Inner Electrode Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Nickel Paste (? 200 nm) for MLCC Inner Electrode market size is expected to reach $ 1187 million by 2032, rising at a market growth of 8.2% CAGR during the forecast period (2026-2032).

In 2024, global nickel paste (? 200 nm) for MLCC inner electrode production reached approximately 1,136 tons, with an average global market price of around US$ 206/kg. Nickel Paste for MLCC Inner Electrode refers to a conductive slurry specially formulated for use in the internal electrodes of Multilayer Ceramic Capacitors (MLCCs). It consists of submicron nickel particles dispersed in an organic vehicle system containing solvents, binders, dispersants, and other additives. Its primary function is to create internal conductive layers between ceramic dielectric sheets during the co-firing process, supporting the miniaturization and high-performance requirements of modern electronic devices. In the report, the data is mainly based on nickel paste with diameter ? 200 nm which is used in MLCC inner electrod.

With the continuous development of the electronics industry, particularly amidst the growing demand for high-performance electronic products, multilayer ceramic capacitors (MLCCs), as a key electronic component, are seeing their applications continue to expand. Nickel paste (?200nm) used in MLCC internal electrodes has become a widely used material within the industry due to its excellent conductivity, good temperature stability, and high reliability.

Currently, the application of nickel paste (?200nm) in MLCC internal electrodes primarily enhances capacitor performance and reliability through fine particle design. This nickel paste, with a particle size controlled below 200 nanometers, effectively reduces inter-

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electrode impedance and improves capacitor performance in high-frequency and high-current environments. Furthermore, nickel paste exhibits strong adhesion, ensuring a long-lasting bond between the internal electrode and the ceramic dielectric, thereby ensuring stable capacitor operation.

Market-wise, with the continuous advancement of technologies such as 5G communications, the Internet of Things, and smart hardware, demand for high-performance MLCCs has increased dramatically. MLCCs are particularly widely used in smartphones, automotive electronics, and consumer electronics. Nickel paste (?200nm), a key material, has become a core component for improving the electrical performance and production efficiency of MLCCs (MLCCs) as market demand increases. In particular, driven by the design requirements for miniaturized and thinner capacitors, nickel paste miniaturization technology has garnered increasing attention and research.

With the continued advancement of MLCC technology, market demand for nickel paste (?200nm) is expected to steadily grow over the next few years. On the one hand, as electronic products increasingly demand higher performance from capacitors, nickel paste material technology will continue to innovate to meet the demands of operating in specialized environments such as high frequency, high current, and high temperature. On the other hand, as the application scope of MLCCs continues to expand, nickel paste production processes, cost control, and environmental friendliness will become key areas of focus for industry development.

This report studies the global Nickel Paste (? 200 nm) for MLCC Inner Electrode production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode total production and demand, 2021-2032, (Tons)
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode total production value, 2021-2032, (USD Million)

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Global Nickel Paste (? 200 nm) for MLCC Inner Electrode production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Nickel Paste (? 200 nm) for MLCC Inner Electrode domestic production, consumption, key domestic manufacturers and share
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Nickel Paste (? 200 nm) for MLCC Inner Electrode production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Shoei Chemical, Murata Manufacturing, Daiken Chemical, TDK, Sinocera Materials, Overseas Huasheng, Changdi New Material Technology, FM Co., Ltd., Fenghua Advanced, Sumitomo, 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Nickel Paste (? 200 nm) for MLCC Inner Electrode Market, Segmentation by Type:

200 nm

180 nm

150nm

Other

Global Nickel Paste (? 200 nm) for MLCC Inner Electrode Market, Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial Equipment

Communication Infrastructure

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Other

Companies Profiled:

Shoei Chemical

Murata Manufacturing

Daiken Chemical

TDK

Sinocera Materials

Overseas Huasheng

Changdi New Material Technology

FM Co., Ltd.

Fenghua Advanced

Sumitomo

Key Questions Answered:

1. How big is the global Nickel Paste (? 200 nm) for MLCC Inner Electrode market?
2. What is the demand of the global Nickel Paste (? 200 nm) for MLCC Inner Electrode market?
3. What is the year over year growth of the global Nickel Paste (? 200 nm) for MLCC Inner Electrode market?
4. What is the production and production value of the global Nickel Paste (? 200 nm) for MLCC Inner Electrode market?
5. Who are the key producers in the global Nickel Paste (? 200 nm) for MLCC Inner Electrode market?
6. What are the growth factors driving the market demand?

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