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Global Low-Temperature Curing Thermally Conductive Silver Paste Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Low-Temperature Curing Thermally Conductive Silver Paste market size is expected to reach $ 535 million by 2032, rising at a market growth of 5.7% CAGR during the forecast period (2026-2032).

Low-temperature curing thermally/electrically conductive silver paste is a functional paste that uses silver flakes, powders, or nano-silver as the conductive and thermal phase, dispersed in a resin/solvent/additive carrier, and forms a continuous conductive/thermal network at typically below 150?C, or in a broader industrial sense below 250?C. It is used for heat-sensitive substrates and high-reliability assemblies such as PET/PI circuits, LTCC, semiconductor packaging, flexible electronics, automotive electronics, and some next-generation PV cells.

The upstream supply chain is centered on silver powder or nano-silver, resin/hardener systems, solvents, dispersants, and rheology modifiers. Midstream value creation comes from formulation, dispersion, viscosity/thixotropy control, printability or dispense performance, and long-term reliability qualification. Downstream demand comes mainly from semiconductor packaging, LEDs, printed electronics, sensors, photovoltaics, and automotive electronics.

In 2025, global Low-temperature curing thermally conductive silver paste production reached approximately 700 tons, with an average global market price is $500 per kg.

This report studies the global Low-Temperature Curing Thermally Conductive Silver Paste production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for Low-Temperature Curing Thermally Conductive Silver Paste 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 Low-Temperature Curing Thermally Conductive Silver Paste that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Low-Temperature Curing Thermally Conductive Silver Paste total production and demand, 2021-2032, (Tons)
Global Low-Temperature Curing Thermally Conductive Silver Paste total production value, 2021-2032, (USD Million)
Global Low-Temperature Curing Thermally Conductive Silver Paste production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Low-Temperature Curing Thermally Conductive Silver Paste consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Low-Temperature Curing Thermally Conductive Silver Paste domestic production, consumption, key domestic manufacturers and share
Global Low-Temperature Curing Thermally Conductive Silver Paste production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Low-Temperature Curing Thermally Conductive Silver Paste production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Low-Temperature Curing Thermally Conductive Silver Paste production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Low-Temperature Curing Thermally Conductive Silver Paste 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 Heraeus, Henkel, MacDermid Alpha, NAMICS, Indium, TANAKA, Noritake, OVERSEAS HUASHENG, DKEM, 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 Low-Temperature Curing Thermally Conductive Silver

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Paste 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 Low-Temperature Curing Thermally Conductive Silver Paste Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Low-Temperature Curing Thermally Conductive Silver Paste Market, Segmentation by Type:

Nano Silver Paste

Micron Silver Paste

Global Low-Temperature Curing Thermally Conductive Silver Paste Market, Segmentation by Curing Technology:

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Epoxy-based

Acrylic

PU

Others

Global Low-Temperature Curing Thermally Conductive Silver Paste Market, Segmentation by Application:

Power Semiconductor

LED Packaging

Flexible and Printed Electronics

Others

Companies Profiled:

Heraeus

Henkel

MacDermid Alpha

NAMICS

Indium

TANAKA

Noritake

OVERSEAS HUASHENG

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DKEM

Key Questions Answered:

1. How big is the global Low-Temperature Curing Thermally Conductive Silver Paste market?
2. What is the demand of the global Low-Temperature Curing Thermally Conductive Silver Paste market?
3. What is the year over year growth of the global Low-Temperature Curing Thermally Conductive Silver Paste market?
4. What is the production and production value of the global Low-Temperature Curing Thermally Conductive Silver Paste market?
5. Who are the key producers in the global Low-Temperature Curing Thermally Conductive Silver Paste market?
6. What are the growth factors driving the market demand?

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