

Global PERC Silver Paste Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global PERC Silver Paste market size is expected to reach \$ 2721 million by 2032, rising at a market growth of 3.1% CAGR during the forecast period (2026-2032).

PERC silver paste is a thick-film, screen-printable conductive silver paste used to form metallization on crystalline-silicon PERC solar cells. In practice it includes (at least) front-side Ag contact paste (typically “fire-through” to contact the emitter through SiN?) and rear-side Ag paste for pads/busbars designed to work with the rear passivation/contact scheme used in PERC cells.

Upstream, silver paste is formulated from silver powder + glass frit + organic vehicle (binders/solvents) + additives; the glass frit is critical for contact formation and adhesion during firing.

Downstream, it is used mainly in screen-printed metallization followed by drying and firing/co-firing to create low-resistance current-collecting electrodes.

In 2025, global sales of PERC silver paste reached approximately 2,216 tons, with an average global market price of around US\$ 957/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 5% to 20%.

This report studies the global PERC Silver Paste production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global PERC Silver Paste total production and demand, 2021-2032, (Tons)

Global PERC Silver Paste total production value, 2021-2032, (USD Million)

Global PERC Silver Paste production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global PERC Silver Paste consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: PERC Silver Paste domestic production, consumption, key domestic manufacturers and share

Global PERC Silver Paste production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global PERC Silver Paste production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global PERC Silver Paste production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global PERC 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 Fusion, Heraeus, DKEM, iSilver Materials, Solamet, Giga Solar Materials, Jiangsu Riyu Photovoltaic, Nantong TSUN Technology, Zhejiang Gonda, Shenzhen Soltrium, 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 PERC Silver Paste 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 PERC Silver Paste Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PERC Silver Paste Market, Segmentation by Type:

Front-Side Silver Paste

Rear-Side Silver Paste

Global PERC Silver Paste Market, Segmentation by Fire-Through Behavior:

Fire-Through Contact Paste

Non-Fire-Through Floating Paste

Global PERC Silver Paste Market, Segmentation by Silver Particle System:

Flake-Type Ag Powder Paste

Spherical-Type Ag Powder Paste

Nano-Enabled Ag Paste

Global PERC Silver Paste Market, Segmentation by Application:

PERC Solar Cells

PERC PV Modules

Other

Companies Profiled:

Fusion

Heraeus

DKEM

iSilver Materials

Solamet

Giga Solar Materials

Jiangsu Riyu Photovoltaic

Nantong TSUN Technology

Zhejiang Gonda

Shenzhen Soltrium

Sinocera

Jiangsu Sun Group

Key Questions Answered:

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

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