

Global Chip Thermal Interface Material Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Chip Thermal Interface Material market size is expected to reach \$ 3290 million by 2032, rising at a market growth of 8.2% CAGR during the forecast period (2026-2032).

In 2025, global Chip Thermal Interface Material production reached approximately 22 k tons, with an average global market price of around USD 85 per kg.

The gross profit margin of major companies in the industry is between 35%–50%.

In 2025, the global production capacity of Chip Thermal Interface Material was approximately 30 k tons.

Chip Thermal Interface Material refers to advanced thermal management materials used between semiconductor chips and heat dissipation components to improve heat transfer efficiency. These materials reduce thermal resistance by filling microscopic gaps between contact surfaces and are essential for high-performance computing, data centers, automotive electronics, power semiconductors, and advanced packaging applications. The product scope includes thermal greases, thermal pads, phase change materials, liquid metal interface materials, and other chip-level thermal solutions, excluding conventional heat sinks and cooling equipment.

The industry chain of Chip Thermal Interface Material includes upstream raw materials, midstream material manufacturing, and downstream semiconductor applications. Upstream suppliers provide base polymers, thermal conductive fillers, additives, and functional materials. Midstream manufacturers perform formulation development, material processing, coating, molding, and performance testing. Downstream

applications include semiconductor packaging, computing hardware, automotive electronics, communication equipment, and power electronic systems requiring efficient thermal management solutions.

Report Scope

This report studies the global Chip Thermal Interface Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Chip Thermal Interface Material 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 Chip Thermal Interface Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Chip Thermal Interface Material total production and demand, 2021-2032, (Tons)

Global Chip Thermal Interface Material total production value, 2021-2032, (USD Million)

Global Chip Thermal Interface Material production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Chip Thermal Interface Material consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Chip Thermal Interface Material domestic production, consumption, key domestic manufacturers and share

Global Chip Thermal Interface Material production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Chip Thermal Interface Material production by Type, production, value,

CAGR, 2021-2032, (USD Million) & (Tons)

Global Chip Thermal Interface Material production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Chip Thermal Interface Material 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 Henkel AG & Co. KGaA, 3M Company, Dow Inc., Shin-Etsu Chemical Co., Ltd., Parker Hannifin Corporation, Laird Performance Materials, Fujipoly, Honeywell International Inc., Indium Corporation, Sekisui Chemical Co., Ltd., 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 Chip Thermal Interface Material 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 Chip Thermal Interface Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global Chip Thermal Interface Material Market, Segmentation by Type:

Liquid Thermal Interface Material

Film Thermal Interface Material

Sheet Thermal Interface Material

Global Chip Thermal Interface Material Market, Segmentation by Base Material:

Silicone Based Thermal Interface Material

Metal Based Thermal Interface Material

Carbon Based Thermal Interface Material

Global Chip Thermal Interface Material Market, Segmentation by Thermal Resistance:

Low Thermal Resistance Material ($<0.05 \text{ K}\cdot\text{cm}^2/\text{W}$)

Medium Thermal Resistance Material ($0.05\text{--}0.2 \text{ K}\cdot\text{cm}^2/\text{W}$)

High Thermal Resistance Material ($>0.2 \text{ K}\cdot\text{cm}^2/\text{W}$)

Global Chip Thermal Interface Material Market, Segmentation by Application:

Semiconductor Packaging

Computing Equipment

Automotive Electronics

Other

Companies Profiled:

Henkel AG & Co. KGaA

3M Company

Dow Inc.

Shin-Etsu Chemical Co., Ltd.

Parker Hannifin Corporation

Laird Performance Materials

Fujipoly

Honeywell International Inc.

Indium Corporation

Sekisui Chemical Co., Ltd.

T-Global Technology Co., Ltd.

Momentive Performance Materials

Shenzhen FRD Science & Technology Co., Ltd.

Jones Tech PLC

Shenzhen Zhaoke Electronic Materials Co., Ltd.

Shenzhen Selen Thermal Technology Co., Ltd.

Dongguan Sheen Thermal Materials Co., Ltd.

Key Questions Answered:

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

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