

Global Honeycomb Ceramic Heat Storage Body Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Honeycomb Ceramic Heat Storage Body market size is expected to reach \$ 1203 million by 2032, rising at a market growth of 7.6% CAGR during the forecast period (2026-2032).

In 2025, global production of honeycomb ceramic heat storage bodies reached approximately 620,000 tons, with an average selling price of USD 1,200 per ton, total production capacity of about 750,000 tons, and an average gross margin of around 32%.

Honeycomb ceramic heat storage body is a functional ceramic material with a regular honeycomb channel structure, primarily used in regenerative combustion systems and high-temperature industrial thermal equipment. Through cyclic heat absorption and release, it enables efficient heat recovery and utilization. Typically made from high-temperature-resistant ceramic materials such as cordierite and mullite, it offers excellent thermal shock resistance, low pressure drop, and long service life, making it a core component in energy-saving upgrades across industries such as steel, non-ferrous metals, glass, and chemicals.

From a market perspective, demand for honeycomb ceramic heat storage bodies is primarily driven by industrial energy efficiency improvement and upgrades of high-temperature furnace technologies. As energy efficiency standards and carbon emission regulations become more stringent worldwide, the adoption of regenerative combustion technology continues to increase in industries such as steel, glass, and building materials, supporting steady market growth. Asia, particularly China, represents the largest demand base, while Europe and the Middle East also show growing demand in high-end industrial furnace and environmental retrofit projects.

This report studies the global Honeycomb Ceramic Heat Storage Body production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for

Honeycomb Ceramic Heat Storage Body 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 Honeycomb Ceramic Heat Storage Body that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Honeycomb Ceramic Heat Storage Body total production and demand, 2021-2032, (Kilotons)

Global Honeycomb Ceramic Heat Storage Body total production value, 2021-2032, (USD Million)

Global Honeycomb Ceramic Heat Storage Body production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Honeycomb Ceramic Heat Storage Body consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Honeycomb Ceramic Heat Storage Body domestic production, consumption, key domestic manufacturers and share

Global Honeycomb Ceramic Heat Storage Body production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Honeycomb Ceramic Heat Storage Body production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Honeycomb Ceramic Heat Storage Body production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Honeycomb Ceramic Heat Storage Body 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 Ibiden, Rauschert, Kerui Group, AOFU, Rongjian Environmental Protection Chemical Filler, Jiangxi Kelley Chemical Packing, BoCent, Henan Huaxin Kiln Engineering Technology, CS CERAMIC, PINGXIANG HONGLI ENVIRONMENTAL TECHNOLOGY, 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 Honeycomb Ceramic Heat Storage Body market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) 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 Honeycomb Ceramic Heat Storage Body Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Honeycomb Ceramic Heat Storage Body Market, Segmentation by Type:

Square

Rectangle

Hexagon

Round Shape

Triangle

Others

Global Honeycomb Ceramic Heat Storage Body Market, Segmentation by Material Composition:

Cordierite Honeycomb Ceramic

Mullite Honeycomb Ceramic

Global Honeycomb Ceramic Heat Storage Body Market, Segmentation by Operating Temperature:

Medium-temperature Heat Storage Honeycomb

High-temperature Heat Storage Honeycomb

Global Honeycomb Ceramic Heat Storage Body Market, Segmentation by Cell Structure:

Small Cell Density High Surface Area Honeycomb

Large Cell Density Low Pressure Drop Honeycomb

Global Honeycomb Ceramic Heat Storage Body Market, Segmentation by Application:

Steel Plant

Waste Incineration Plant

Chemical Plant

Power Plant

Others

Companies Profiled:

Ibiden

Rauschert

Kerui Group

AOFU

Rongjian Environmental Protection Chemical Filler

Jiangxi Kelley Chemical Packing

BoCent

Henan Huaxin Kiln Engineering Technology

CS CERAMIC

PINGXIANG HONGLI ENVIRONMENTAL TECHNOLOGY

JIANGXI VODA CHEMICAL

Key Questions Answered:

1. How big is the global Honeycomb Ceramic Heat Storage Body market?
2. What is the demand of the global Honeycomb Ceramic Heat Storage Body market?
3. What is the year over year growth of the global Honeycomb Ceramic Heat Storage Body market?
4. What is the production and production value of the global Honeycomb Ceramic Heat Storage Body market?
5. Who are the key producers in the global Honeycomb Ceramic Heat Storage Body market?
6. What are the growth factors driving the market demand?

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