

# Global Heat Storage Ceramic Balls Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Heat Storage Ceramic Balls market size is expected to reach \$ 20.31 million by 2032, rising at a market growth of 1.0% CAGR during the forecast period (2026-2032).

In 2025, the global production volume of heat storage ceramic balls is projected to reach 21,355 tons, with an average selling price of \$863.03 per ton.

Heat storage ceramic balls are thermal energy storage components manufactured from ceramic materials, typically appearing in spherical or near-spherical forms. They are primarily composed of materials such as alumina (Al<sub>2</sub>O<sub>3</sub>), kaolin, quartz, and feldspar, blended in specific proportions; these mixtures are then shaped either through rolling or mechanical pressing and subsequently fired in a kiln. Heat storage ceramic balls possess a range of superior characteristics, including high mechanical strength, excellent wear resistance, high thermal conductivity and heat capacity, high thermal storage efficiency, and exceptional thermal stability. These attributes make heat storage ceramic balls particularly well-suited for use as thermal storage packing materials in applications such as regenerators within air separation units and blast furnace gas preheaters in steelworks. Furthermore, heat storage ceramic balls can be custom-manufactured to meet specific requirements across diverse operational environments. For instance, they can be produced in various diameter specifications to accommodate the varying dimensions and process parameters of different equipment systems. Concurrently, manufacturers can select the optimal material composition and molding techniques based on the specific application scenario to maximize product performance and operational efficacy.

Currently, major global manufacturers include Pingxiang Global New Materials

Technology Co., Ltd., Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd., Stanford Advanced Materials, Chengdu Changyuanshun Industrial Co., Ltd., and Christy Catalytics. By 2025, these major manufacturers are expected to account for over 57.03% of the market share. Competition in the industry is anticipated to intensify in the coming years, particularly in the Chinese market. Overall, Chinese companies possess significant advantages in low-to-medium cost manufacturing, delivery response, and engineering support. In the coming years, industry competition is expected to further escalate around product lifespan, operational adaptability, project service capabilities, and regional channel coverage, with the Chinese market exhibiting more pronounced characteristics of quality upgrades and price stratification.

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

This report is a detailed and comprehensive analysis of the world market for Heat Storage Ceramic Balls 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 Heat Storage Ceramic Balls that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Heat Storage Ceramic Balls total production and demand, 2021-2032, (Tons)

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

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

Global Heat Storage Ceramic Balls consumption by region & country, CAGR, 2021-2032 & (Tons)

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

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

Global Heat Storage Ceramic Balls production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Heat Storage Ceramic Balls production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Heat Storage Ceramic Balls 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 Pingxiang Global New Materials Technology Co., Ltd., Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd., Stanford Advanced Materials, Chengdu Changyuanshun Industrial Co., Ltd., Christy Catalytics, Jiangxi Hengerwo Chemical Co., Ltd., Jiangxi Mingde Environmental Protection Co., Ltd., Jiangxi Pingxiang Sanhe Ceramics Co., Ltd., Shandong Qitai Industrial Ceramics Co., Ltd., Zhengzhou Bosuo Insulation Materials 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 Heat Storage Ceramic Balls 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 Heat Storage Ceramic Balls Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Heat Storage Ceramic Balls Market, Segmentation by Type:

Less than 30%

60%~80%

80%~90%

More than 90%

## Global Heat Storage Ceramic Balls Market, Segmentation by Application:

Air Separation Equipment Regenerator

Regenerative Heating Furnace

Other

## Companies Profiled:

Pingxiang Global New Materials Technology Co., Ltd.

Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd.

Stanford Advanced Materials

Chengdu Changyuanshun Industrial Co., Ltd.

Christy Catalytics

Jiangxi Hengerwo Chemical Co., Ltd.

Jiangxi Mingde Environmental Protection Co., Ltd.

Jiangxi Pingxiang Sanhe Ceramics Co., Ltd.

Shandong Qitai Industrial Ceramics Co., Ltd.

Zhengzhou Bosuo Insulation Materials Co., Ltd.

Pingxiang Hongli Environmental Protection Technology Co., Ltd.

Jiangxi Zhongao Environmental Protection Technology Co., Ltd.

**Key Questions Answered:**

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

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