

# Global Low-aluminum Thermal Storage Ceramic Balls Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Low-aluminum Thermal Storage Ceramic Balls market size is expected to reach \$ 3.84 million by 2032, rising at a market growth of -1.2% CAGR during the forecast period (2026-2032).

Low-aluminum Thermal Storage Ceramic Balls are spherical ceramic products with low alumina content, made by shaping and high-temperature sintering of low-aluminum clay, feldspar, and other mineral raw materials; they feature excellent thermal stability, high heat storage capacity, and good thermal shock resistance, mainly used for heat accumulation, heat transfer, and temperature regulation in industrial thermal systems, realizing energy saving and efficient heat utilization. This report examines thermal storage ceramic balls with an aluminum content of 30% or less.

In 2025, global Low-aluminum Thermal Storage Ceramic Balls production reached approximately 6,056 tons, with an average global market price of around US\$ 672.01 per ton. The production capacity of Low-aluminum Thermal Storage Ceramic Balls is approximately 7 K tons per year, the average gross profit margin was 11-16%.

The upstream of the supply chain includes suppliers of raw materials such as low-aluminum clay, feldspar, fluxes, and binders, as well as manufacturers of production equipment for crushing, mixing, shaping, and sintering; the midstream consists of enterprises engaged in raw material proportioning, molding, high-temperature sintering, precision sorting, and quality testing; the downstream covers distributors and wholesalers, end users in industries such as industrial heating, energy conservation and environmental protection, and new energy, as well as supporting service providers for product customization and technical consultation.

The cost structure of Low-aluminum Thermal Storage Ceramic Balls is dominated by raw material costs including low-aluminum mineral materials, fluxes, and binders; followed by production and processing costs such as crushing, mixing, molding, and high-temperature sintering (including energy consumption); it also includes equipment depreciation, labor costs for production and quality inspection, R&D costs for formula optimization and performance improvement, as well as packaging, logistics, and factory management overheads.

This report studies the global Low-aluminum Thermal Storage Ceramic Balls production, demand, key manufacturers, and key regions.

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

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

Global Low-aluminum Thermal Storage Ceramic Balls total production and demand, 2021-2032, (Tons)

Global Low-aluminum Thermal Storage Ceramic Balls total production value, 2021-2032, (USD Million)

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

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

U.S. VS China: Low-aluminum Thermal Storage Ceramic Balls domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global Low-aluminum Thermal 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., Pingxiang Hongli Environmental Protection Technology Co., Ltd., Jiangxi Zhongao Environmental Protection Technology 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 Low-aluminum Thermal 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 Low-aluminum Thermal Storage Ceramic Balls Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Low-aluminum Thermal Storage Ceramic Balls Market, Segmentation by Type:

Roll-forming Ceramic Balls

Press-forming Ceramic Balls

Others

Global Low-aluminum Thermal Storage Ceramic Balls Market, Segmentation by Pore Structure:

Dense-type Ceramic Balls

Porous-type Ceramic Balls

Other

Global Low-aluminum Thermal Storage Ceramic Balls Market, Segmentation by Application:

Air Separation Equipment Regenerator

Regenerative Heating Furnace

Others

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.

Pingxiang Hongli Environmental Protection Technology Co., Ltd.

Jiangxi Zhongao Environmental Protection Technology Co., Ltd.

**Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Low-aluminum Thermal Storage Ceramic Balls Introduction
- 1.2 World Low-aluminum Thermal Storage Ceramic Balls Supply & Forecast
  - 1.2.1 World Low-aluminum Thermal Storage Ceramic Balls Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.2.3 World Low-aluminum Thermal Storage Ceramic Balls Pricing Trends (2021-2032)
- 1.3 World Low-aluminum Thermal Storage Ceramic Balls Production by Region (Based on Production Site)
  - 1.3.1 World Low-aluminum Thermal Storage Ceramic Balls Production Value by Region (2021-2032)
  - 1.3.2 World Low-aluminum Thermal Storage Ceramic Balls Production by Region (2021-2032)
  - 1.3.3 World Low-aluminum Thermal Storage Ceramic Balls Average Price by Region (2021-2032)
  - 1.3.4 North America Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.3.5 Europe Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.3.6 China Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.3.7 Japan Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.3.8 India Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
  - 1.3.9 Southeast Asia Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Low-aluminum Thermal Storage Ceramic Balls Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Low-aluminum Thermal Storage Ceramic Balls Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Low-aluminum Thermal Storage Ceramic Balls Demand (2021-2032)
- 2.2 World Low-aluminum Thermal Storage Ceramic Balls Consumption by Region
  - 2.2.1 World Low-aluminum Thermal Storage Ceramic Balls Consumption by Region (2021-2026)
  - 2.2.2 World Low-aluminum Thermal Storage Ceramic Balls Consumption Forecast by

Region (2027-2032)

2.3 United States Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.4 China Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.5 Europe Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.6 Japan Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.7 South Korea Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.8 ASEAN Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

2.9 India Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Low-aluminum Thermal Storage Ceramic Balls Production Value by Manufacturer (2021-2026)

3.2 World Low-aluminum Thermal Storage Ceramic Balls Production by Manufacturer (2021-2026)

3.3 World Low-aluminum Thermal Storage Ceramic Balls Average Price by Manufacturer (2021-2026)

3.4 Low-aluminum Thermal Storage Ceramic Balls Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Low-aluminum Thermal Storage Ceramic Balls Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Low-aluminum Thermal Storage Ceramic Balls in 2025

3.5.3 Global Concentration Ratios (CR8) for Low-aluminum Thermal Storage Ceramic Balls in 2025

3.6 Low-aluminum Thermal Storage Ceramic Balls Market: Overall Company Footprint Analysis

3.6.1 Low-aluminum Thermal Storage Ceramic Balls Market: Region Footprint

3.6.2 Low-aluminum Thermal Storage Ceramic Balls Market: Company Product Type Footprint

3.6.3 Low-aluminum Thermal Storage Ceramic Balls Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

### 3.9 Mergers, Acquisition, Agreements, and Collaborations

## 4 UNITED STATES VS CHINA VS REST OF THE WORLD

### 4.1 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Value Comparison

4.1.1 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share Comparison (2021 & 2025 & 2032)

### 4.2 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Comparison

4.2.1 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Market Share Comparison (2021 & 2025 & 2032)

### 4.3 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Consumption Comparison

4.3.1 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Low-aluminum Thermal Storage Ceramic Balls Consumption Market Share Comparison (2021 & 2025 & 2032)

### 4.4 United States Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value (2021-2026)

4.4.3 United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production (2021-2026)

### 4.5 China Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers and Market Share

4.5.1 China Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value (2021-2026)

4.5.3 China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production (2021-2026)

### 4.6 Rest of World Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers

and Market Share, 2021-2026

4.6.1 Rest of World Based Low-aluminum Thermal Storage Ceramic Balls  
Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic  
Balls Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic  
Balls Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Low-aluminum Thermal Storage Ceramic Balls Market Size Overview by  
Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Roll-forming Ceramic Balls

5.2.2 Press-forming Ceramic Balls

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Low-aluminum Thermal Storage Ceramic Balls Production by Type  
(2021-2032)

5.3.2 World Low-aluminum Thermal Storage Ceramic Balls Production Value by Type  
(2021-2032)

5.3.3 World Low-aluminum Thermal Storage Ceramic Balls Average Price by Type  
(2021-2032)

## **6 MARKET ANALYSIS BY PORE STRUCTURE**

6.1 World Low-aluminum Thermal Storage Ceramic Balls Market Size Overview by Pore  
Structure: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Pore Structure

6.2.1 Dense-type Ceramic Balls

6.2.2 Porous-type Ceramic Balls

6.2.3 Other

6.3 Market Segment by Pore Structure

6.3.1 World Low-aluminum Thermal Storage Ceramic Balls Production by Pore  
Structure (2021-2032)

6.3.2 World Low-aluminum Thermal Storage Ceramic Balls Production Value by Pore  
Structure (2021-2032)

6.3.3 World Low-aluminum Thermal Storage Ceramic Balls Average Price by Pore  
Structure (2021-2032)

## 7 MARKET ANALYSIS BY APPLICATION

7.1 World Low-aluminum Thermal Storage Ceramic Balls Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Air Separation Equipment Regenerator

7.2.2 Regenerative Heating Furnace

7.2.3 Others

7.3 Market Segment by Application

7.3.1 World Low-aluminum Thermal Storage Ceramic Balls Production by Application (2021-2032)

7.3.2 World Low-aluminum Thermal Storage Ceramic Balls Production Value by Application (2021-2032)

7.3.3 World Low-aluminum Thermal Storage Ceramic Balls Average Price by Application (2021-2032)

## 8 COMPANY PROFILES

8.1 Pingxiang Global New Materials Technology Co., Ltd.

8.1.1 Pingxiang Global New Materials Technology Co., Ltd. Details

8.1.2 Pingxiang Global New Materials Technology Co., Ltd. Major Business

8.1.3 Pingxiang Global New Materials Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

8.1.4 Pingxiang Global New Materials Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Pingxiang Global New Materials Technology Co., Ltd. Recent Developments/Updates

8.1.6 Pingxiang Global New Materials Technology Co., Ltd. Competitive Strengths & Weaknesses

8.2 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd.

8.2.1 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Details

8.2.2 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Major Business

8.2.3 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

8.2.4 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Recent Developments/Updates

## 8.2.6 Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Competitive Strengths & Weaknesses

### 8.3 Stanford Advanced Materials

#### 8.3.1 Stanford Advanced Materials Details

#### 8.3.2 Stanford Advanced Materials Major Business

#### 8.3.3 Stanford Advanced Materials Low-aluminum Thermal Storage Ceramic Balls Product and Services

#### 8.3.4 Stanford Advanced Materials Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 8.3.5 Stanford Advanced Materials Recent Developments/Updates

#### 8.3.6 Stanford Advanced Materials Competitive Strengths & Weaknesses

### 8.4 Chengdu Changyuanshun Industrial Co., Ltd.

#### 8.4.1 Chengdu Changyuanshun Industrial Co., Ltd. Details

#### 8.4.2 Chengdu Changyuanshun Industrial Co., Ltd. Major Business

#### 8.4.3 Chengdu Changyuanshun Industrial Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

#### 8.4.4 Chengdu Changyuanshun Industrial Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 8.4.5 Chengdu Changyuanshun Industrial Co., Ltd. Recent Developments/Updates

#### 8.4.6 Chengdu Changyuanshun Industrial Co., Ltd. Competitive Strengths & Weaknesses

### 8.5 Christy Catalytics

#### 8.5.1 Christy Catalytics Details

#### 8.5.2 Christy Catalytics Major Business

#### 8.5.3 Christy Catalytics Low-aluminum Thermal Storage Ceramic Balls Product and Services

#### 8.5.4 Christy Catalytics Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 8.5.5 Christy Catalytics Recent Developments/Updates

#### 8.5.6 Christy Catalytics Competitive Strengths & Weaknesses

### 8.6 Jiangxi Hengerwo Chemical Co., Ltd.

#### 8.6.1 Jiangxi Hengerwo Chemical Co., Ltd. Details

#### 8.6.2 Jiangxi Hengerwo Chemical Co., Ltd. Major Business

#### 8.6.3 Jiangxi Hengerwo Chemical Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

#### 8.6.4 Jiangxi Hengerwo Chemical Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

#### 8.6.5 Jiangxi Hengerwo Chemical Co., Ltd. Recent Developments/Updates

#### 8.6.6 Jiangxi Hengerwo Chemical Co., Ltd. Competitive Strengths & Weaknesses

- 8.7 Jiangxi Mingde Environmental Protection Co., Ltd.
  - 8.7.1 Jiangxi Mingde Environmental Protection Co., Ltd. Details
  - 8.7.2 Jiangxi Mingde Environmental Protection Co., Ltd. Major Business
  - 8.7.3 Jiangxi Mingde Environmental Protection Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services
  - 8.7.4 Jiangxi Mingde Environmental Protection Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.7.5 Jiangxi Mingde Environmental Protection Co., Ltd. Recent Developments/Updates
  - 8.7.6 Jiangxi Mingde Environmental Protection Co., Ltd. Competitive Strengths & Weaknesses
- 8.8 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd.
  - 8.8.1 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Details
  - 8.8.2 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Major Business
  - 8.8.3 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services
  - 8.8.4 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.8.5 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Recent Developments/Updates
  - 8.8.6 Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Competitive Strengths & Weaknesses
- 8.9 Pingxiang Hongli Environmental Protection Technology Co., Ltd.
  - 8.9.1 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Details
  - 8.9.2 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Major Business
  - 8.9.3 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services
  - 8.9.4 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 8.9.5 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Recent Developments/Updates
  - 8.9.6 Pingxiang Hongli Environmental Protection Technology Co., Ltd. Competitive Strengths & Weaknesses
- 8.10 Jiangxi Zhongao Environmental Protection Technology Co., Ltd.
  - 8.10.1 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Details
  - 8.10.2 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Major Business
  - 8.10.3 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Low-aluminum

## Thermal Storage Ceramic Balls Product and Services

8.10.4 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.10.5 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Recent Developments/Updates

8.10.6 Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Competitive Strengths & Weaknesses

## **9 INDUSTRY CHAIN ANALYSIS**

9.1 Low-aluminum Thermal Storage Ceramic Balls Industry Chain

9.2 Low-aluminum Thermal Storage Ceramic Balls Upstream Analysis

9.2.1 Low-aluminum Thermal Storage Ceramic Balls Core Raw Materials

9.2.2 Main Manufacturers of Low-aluminum Thermal Storage Ceramic Balls Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Low-aluminum Thermal Storage Ceramic Balls Production Mode

9.6 Low-aluminum Thermal Storage Ceramic Balls Procurement Model

9.7 Low-aluminum Thermal Storage Ceramic Balls Industry Sales Model and Sales Channels

9.7.1 Low-aluminum Thermal Storage Ceramic Balls Sales Model

9.7.2 Low-aluminum Thermal Storage Ceramic Balls Typical Distributors

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Region (2021-2026) & (USD Million)

Table 3. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Region (2027-2032) & (USD Million)

Table 4. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Region (2021-2026)

Table 5. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Region (2027-2032)

Table 6. World Low-aluminum Thermal Storage Ceramic Balls Production by Region (2021-2026) & (Tons)

Table 7. World Low-aluminum Thermal Storage Ceramic Balls Production by Region (2027-2032) & (Tons)

Table 8. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Region (2021-2026)

Table 9. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Region (2027-2032)

Table 10. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Low-aluminum Thermal Storage Ceramic Balls Major Market Trends

Table 13. World Low-aluminum Thermal Storage Ceramic Balls Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Low-aluminum Thermal Storage Ceramic Balls Consumption by Region (2021-2026) & (Tons)

Table 15. World Low-aluminum Thermal Storage Ceramic Balls Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Low-aluminum Thermal Storage Ceramic Balls Producers in 2025

Table 18. World Low-aluminum Thermal Storage Ceramic Balls Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Low-aluminum Thermal Storage Ceramic Balls Producers in 2025

Table 20. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Low-aluminum Thermal Storage Ceramic Balls Company Evaluation Quadrant

Table 22. World Low-aluminum Thermal Storage Ceramic Balls Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Low-aluminum Thermal Storage Ceramic Balls Production Site of Key Manufacturer

Table 24. Low-aluminum Thermal Storage Ceramic Balls Market: Company Product Type Footprint

Table 25. Low-aluminum Thermal Storage Ceramic Balls Market: Company Product Application Footprint

Table 26. Low-aluminum Thermal Storage Ceramic Balls Competitive Factors

Table 27. Low-aluminum Thermal Storage Ceramic Balls New Entrant and Capacity Expansion Plans

Table 28. Low-aluminum Thermal Storage Ceramic Balls Mergers & Acquisitions Activity

Table 29. United States VS China Low-aluminum Thermal Storage Ceramic Balls Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Low-aluminum Thermal Storage Ceramic Balls Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Low-aluminum Thermal Storage Ceramic Balls Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share (2021-2026)

Table 37. China Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share (2021-2026)

Table 42. Rest of World Based Low-aluminum Thermal Storage Ceramic Balls Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share (2021-2026)

Table 47. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Low-aluminum Thermal Storage Ceramic Balls Production by Type (2021-2026) & (Tons)

Table 49. World Low-aluminum Thermal Storage Ceramic Balls Production by Type (2027-2032) & (Tons)

Table 50. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Type (2021-2026) & (USD Million)

Table 51. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Type (2027-2032) & (USD Million)

Table 52. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Pore Structure, (USD Million), 2021 & 2025 & 2032

Table 55. World Low-aluminum Thermal Storage Ceramic Balls Production by Pore Structure (2021-2026) & (Tons)

Table 56. World Low-aluminum Thermal Storage Ceramic Balls Production by Pore Structure (2027-2032) & (Tons)

Table 57. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Pore Structure (2021-2026) & (USD Million)

Table 58. World Low-aluminum Thermal Storage Ceramic Balls Production Value by

Pore Structure (2027-2032) & (USD Million)

Table 59. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Pore Structure (2021-2026) & (US\$/Ton)

Table 60. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Pore Structure (2027-2032) & (US\$/Ton)

Table 61. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Low-aluminum Thermal Storage Ceramic Balls Production by Application (2021-2026) & (Tons)

Table 63. World Low-aluminum Thermal Storage Ceramic Balls Production by Application (2027-2032) & (Tons)

Table 64. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Application (2021-2026) & (USD Million)

Table 65. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Application (2027-2032) & (USD Million)

Table 66. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Application (2021-2026) & (US\$/Ton)

Table 67. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Application (2027-2032) & (US\$/Ton)

Table 68. Pingxiang Global New Materials Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 69. Pingxiang Global New Materials Technology Co., Ltd. Major Business

Table 70. Pingxiang Global New Materials Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 71. Pingxiang Global New Materials Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Pingxiang Global New Materials Technology Co., Ltd. Recent Developments/Updates

Table 73. Pingxiang Global New Materials Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 74. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 75. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Major Business

Table 76. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 77. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Recent Developments/Updates

Table 79. Jiangxi Pingxiang Tianxiang Ceramics Co., Ltd. Competitive Strengths & Weaknesses

Table 80. Stanford Advanced Materials Basic Information, Manufacturing Base and Competitors

Table 81. Stanford Advanced Materials Major Business

Table 82. Stanford Advanced Materials Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 83. Stanford Advanced Materials Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Stanford Advanced Materials Recent Developments/Updates

Table 85. Stanford Advanced Materials Competitive Strengths & Weaknesses

Table 86. Chengdu Changyuanshun Industrial Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 87. Chengdu Changyuanshun Industrial Co., Ltd. Major Business

Table 88. Chengdu Changyuanshun Industrial Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 89. Chengdu Changyuanshun Industrial Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Chengdu Changyuanshun Industrial Co., Ltd. Recent Developments/Updates

Table 91. Chengdu Changyuanshun Industrial Co., Ltd. Competitive Strengths & Weaknesses

Table 92. Christy Catalytics Basic Information, Manufacturing Base and Competitors

Table 93. Christy Catalytics Major Business

Table 94. Christy Catalytics Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 95. Christy Catalytics Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. Christy Catalytics Recent Developments/Updates

Table 97. Christy Catalytics Competitive Strengths & Weaknesses

Table 98. Jiangxi Hengerwo Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 99. Jiangxi Hengerwo Chemical Co., Ltd. Major Business

Table 100. Jiangxi Hengerwo Chemical Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 101. Jiangxi Hengerwo Chemical Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Jiangxi Hengerwo Chemical Co., Ltd. Recent Developments/Updates

Table 103. Jiangxi Hengerwo Chemical Co., Ltd. Competitive Strengths & Weaknesses

Table 104. Jiangxi Mingde Environmental Protection Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 105. Jiangxi Mingde Environmental Protection Co., Ltd. Major Business

Table 106. Jiangxi Mingde Environmental Protection Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 107. Jiangxi Mingde Environmental Protection Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Jiangxi Mingde Environmental Protection Co., Ltd. Recent Developments/Updates

Table 109. Jiangxi Mingde Environmental Protection Co., Ltd. Competitive Strengths & Weaknesses

Table 110. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 111. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Major Business

Table 112. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 113. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Recent Developments/Updates

Table 115. Jiangxi Pingxiang Sanhe Ceramics Co., Ltd. Competitive Strengths & Weaknesses

Table 116. Pingxiang Hongli Environmental Protection Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 117. Pingxiang Hongli Environmental Protection Technology Co., Ltd. Major Business

Table 118. Pingxiang Hongli Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 119. Pingxiang Hongli Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Pingxiang Hongli Environmental Protection Technology Co., Ltd. Recent Developments/Updates

Table 121. Pingxiang Hongli Environmental Protection Technology Co., Ltd.

Competitive Strengths & Weaknesses

Table 122. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 123. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Major Business

Table 124. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Product and Services

Table 125. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Low-aluminum Thermal Storage Ceramic Balls Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Recent Developments/Updates

Table 127. Jiangxi Zhongao Environmental Protection Technology Co., Ltd. Competitive Strengths & Weaknesses

Table 128. Global Key Players of Low-aluminum Thermal Storage Ceramic Balls Upstream (Raw Materials)

Table 129. Global Low-aluminum Thermal Storage Ceramic Balls Typical Customers

Table 130. Low-aluminum Thermal Storage Ceramic Balls Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Low-aluminum Thermal Storage Ceramic Balls Picture

Figure 2. World Low-aluminum Thermal Storage Ceramic Balls Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Low-aluminum Thermal Storage Ceramic Balls Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 5. World Low-aluminum Thermal Storage Ceramic Balls Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Region (2021-2032)

Figure 7. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Region (2021-2032)

Figure 8. North America Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 9. Europe Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 10. China Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 11. Japan Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 12. India Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 13. Southeast Asia Low-aluminum Thermal Storage Ceramic Balls Production (2021-2032) & (Tons)

Figure 14. Low-aluminum Thermal Storage Ceramic Balls Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 17. World Low-aluminum Thermal Storage Ceramic Balls Consumption Market Share by Region (2021-2032)

Figure 18. United States Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 19. China Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 20. Europe Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 21. Japan Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 22. South Korea Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 23. ASEAN Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 24. India Low-aluminum Thermal Storage Ceramic Balls Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of Low-aluminum Thermal Storage Ceramic Balls by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Low-aluminum Thermal Storage Ceramic Balls Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Low-aluminum Thermal Storage Ceramic Balls Markets in 2025

Figure 28. United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Low-aluminum Thermal Storage Ceramic Balls Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Low-aluminum Thermal Storage Ceramic Balls Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share 2025

Figure 32. China Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Low-aluminum Thermal Storage Ceramic Balls Production Market Share 2025

Figure 34. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Type in 2025

Figure 36. Roll-forming Ceramic Balls

Figure 37. Press-forming Ceramic Balls

Figure 38. Others

Figure 39. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Type (2021-2032)

Figure 40. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Type (2021-2032)

Figure 41. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Pore Structure, (USD Million), 2021 & 2025 & 2032

Figure 43. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Pore Structure in 2025

Figure 44. Dense-type Ceramic Balls

Figure 45. Porous-type Ceramic Balls

Figure 46. Other

Figure 47. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Pore Structure (2021-2032)

Figure 48. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Pore Structure (2021-2032)

Figure 49. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Pore Structure (2021-2032) & (US\$/Ton)

Figure 50. World Low-aluminum Thermal Storage Ceramic Balls Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 51. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Application in 2025

Figure 52. Air Separation Equipment Regenerator

Figure 53. Regenerative Heating Furnace

Figure 54. Others

Figure 55. World Low-aluminum Thermal Storage Ceramic Balls Production Market Share by Application (2021-2032)

Figure 56. World Low-aluminum Thermal Storage Ceramic Balls Production Value Market Share by Application (2021-2032)

Figure 57. World Low-aluminum Thermal Storage Ceramic Balls Average Price by Application (2021-2032) & (US\$/Ton)

Figure 58. Low-aluminum Thermal Storage Ceramic Balls Industry Chain

Figure 59. Low-aluminum Thermal Storage Ceramic Balls Procurement Model

Figure 60. Low-aluminum Thermal Storage Ceramic Balls Sales Model

Figure 61. Low-aluminum Thermal Storage Ceramic Balls Sales Channels, Direct Sales, and Distribution

Figure 62. Methodology

Figure 63. Research Process and Data Source

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