

Safety Data Sheet

Pingxiang Yongguang Chemical Packing Co., Ltd.

Inert Ceramic Balls / Inert Alumina Ceramic Balls

Safety Data Sheet

Address: Ceramic Industrial Park, Xiangdong District, Pingxiang City, Jiangxi Province, China

E-mail: lizhi@pxball.cn

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1. Identification of the Substance and of the Company

Chinese Name: Inert Ceramic Balls, Inert Alumina Ceramic Balls

Company Name: Pingxiang Yongguang Chemical Packing Co., Ltd.

Address: Ceramic Industrial Park, Xiangdong District, Pingxiang City

Company E-mail: lizhi@pxball.cn

WeChat ID: pxlizhi

2. Composition / Information on Ingredients

$\text{Al}_2\text{O}_3 \geq 25\%$

$\text{SiO}_2 \geq 65\%$

$\text{Fe}_2\text{O}_3 \leq 0.7\%$

Alkaline earth metal oxides: Trace amounts (see detailed composition analysis table).

3. Hazards Identification

Hazard Category: Safe grade

Routes of Entry: Oral and nasal

Chronic Effects: Pneumoconiosis (lung disease from dust)

Fire/Explosion Hazard: None

4. First Aid Measures

Skin Contact: Wear protective work clothes; wash with water if contaminated.

Eye Contact: Wear protective goggles. If dust enters eyes, do not rub; rinse immediately with water.

Inhalation: Small amounts are not harmful.

Ingestion: Small amounts are not harmful.

5. Firefighting Measures

Hazard Characteristics: Heat resistant, non-combustible.

6. Accidental Release Measures

If spilled on the ground, due to spherical particle form, it may cause slipping. Collect promptly using suitable containers.

7. Handling and Storage

Handling Precautions: Ensure good ventilation. Operators must be trained, strictly follow procedures, wear protective clothing, safety goggles, and gloves. Handle with care to prevent packaging damage.

Storage Precautions: Store in a waterproof, ventilated warehouse; stack neatly.

8. Exposure Controls / Personal Protection

Engineering Controls:

Respiratory protection

Eye protection

Protective clothing

Hand protection

Others as required

9. Physical and Chemical Properties

Appearance: White spheres

Melting Point: 1200 °C

Refractoriness: 1200 °C

Compressive Strength: Varies depending on specification and alumina content

Bulk Density: 1.25–1.3 g/cm³

10. Stability and Reactivity

Stability: Stable

11. Toxicological Information

Toxicity: Non-toxic

Human and animal data insufficient.

12. Ecological Information

No pollution identified.

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

Dangerous Goods Code: None

Packaging Mark: None

Packaging Method: Standard protective packaging

Transport Precautions: Prevent damage during handling and transportation.

15. Other Information

Additional Information: None

The following are the technical parameters related to inert ceramic balls.

Technical Data

Item		Type 1	Type 2	Type 3	Type 4
Equal to		Denstone 2000	Denstone 57		Denstone 99
AL ₂ O ₃		17-19%	23-26%	90%	>99%
Acid resistance		>=98%			
Alkali resistance		>80%	>82%	>90%	>95%
Thermal shock resistance		>=300	>=400	>=700	>=800
Operation temperature (°C)		982	1100	1350	1500
Bulk density(kg.m ³)		1300-1400	1400-1500	1600-1800	>=1800
Crushing Strength (N/pellet)	1/8"(3mm)	>350	>350	>510	>510
	1/4"(6mm)	>600	>600	>1500	>1500
	3/8"(10mm)	>850	>850	>6000	>6000
	1/2"(13mm)	>1850	>1850	>8000	>8000
	5/8"(16mm)	>3600	>3600	>9000	>9000
	3/4"(19mm)	>4870	>4870	>11000	>11000
	1"(25mm)	>8500	>8500	>20000	>20000
	1.5"(38mm)	>12000	>12000	>33000	>33000
	2"(50mm)	>56000	>56000	>150000	>150000
	3"(76mm)	>56000	>56000	>150000	>150000