

Alumina Ceramic Balls

- 1) Grinding ceramic balls is an ideal ball mill grinding medium, which can maintain purity and improve the stability of the grinding material.
- 2) Alumina grinding balls have been widely used as abrasives for ceramic raw materials, glazes, ceramic factories, cement factories, enamel factories and glass products in ball mills.
- 3) The main features are high density, high hardness and strength, high wear resistance, thermal stability, corrosion resistance and non-pollution.
- 4) During the grinding / grinding process, the ceramic ball will not break or contaminate the material to be ground.
- 5) Type: According to alumina content: 60-70%, 65-75%, 95%, 95%

Technical Data:

Item	92% Al ₂ O ₃	75% Al ₂ O ₃	65% Al ₂ O ₃
Al ₂ O ₃ (%)	92	75	65
Bulk density (g/cm ³)	3.6	3.26	2.9
Water absorption (%)	<0.00015	<0.0003	<0.0004
Abrasion (%)	≤0.2	≤0.25	≤0.5
Moh's Hardnes(grade)	9	8	7-8
Colour	White	White	Faint yellow
Forming way	Isostatic pressing CIP	Isostatic pressing CIP	Isostatic pressing CIP
Diameter(mm)	0.5-0.7	10,20,30,40,50,60,70	10,20,30,40,50,60,70



68% Al₂O₃ Alumina Ceramic Grinding Balls



80% Al₂O₃ Alumina Ceramic Grinding Balls



92% Al₂O₃ Alumina Ceramic Grinding Balls

Characteristics

- 1) The extremely low wear rate prevents the material from being contaminated.
- 2) High grinding efficiency.
- 3) Due to the long service life, the total cost is reduced.
- 4) Suitable for high-speed operation and wet grinding operation.

Applications

1. Used for grinding wear-resistant and corrosion-resistant products: paint, textile pigments, paints, inks and dye residues.
2. For grinding high-strength, high-toughness products: magnetic materials, piezoelectric ceramics, dielectric ceramics.
3. Prevent pollution: medicine, food, cosmetics.
4. Ceramics: electronic ceramics, refractory ceramics, structural ceramics.



- ◆ Formed by ISO-STATIC pressing and Japanese rolling technology, high density and hardness which can promote the grinding efficiency, reduce the grinding time and increase the production capacity through increasing the available space for grinding.
- ◆ Low wear loss which can reduce the grinding cost, prolong the service life, high cost-effective.

- ◆ The main content is alumina which has no pollution to the material (such as ceramic).
- ◆ High whiteness can promote the ceramic body's whiteness.

