

Alumina Balls Product

Alumina ball is made of commercial grade alumina (α aluminium oxide) by cool isostatic pressing and high temperature (e.g. 1480°C) kiln firing & sintering. Alumina ball has top 5 outstanding features:

1. High density, 3.6 g/cm³.
2. Ultrahigh hardness, Mohs scale 9, second only to Diamond in mineral.
3. Good corrosion resistance, resistant to most acids and Alkalis.
4. Excellent wear resistance, very low wear loss, less than 0.15%.
5. Uniform and regular in shape

Alumina balls can be divided into 2 main classifications:

1. Alumina Grinding Media
2. Catalyst Bed Support Media



Alumina Grinding Ball

The alumina grinding media is developed originally to meet the requirement from the ceramic tile industry for increasing productivity of frit and pigment grinding. Compared with the natural cobblestone, the alumina grinding ball has more outstanding and reliable performance. Choose alumina grinding ball as your ball mill grinding media can significantly increase productivity, saving time and power and the alumina grinding media is more environment friendly.

Facts between alumina grinding media and natural cobblestone

1. Bulk density: Alumina grinding ball bulk density: 3.6 g/cm³; natural cobblestone bulk density: 2.8 g/cm³.
2. Hardness: Alumina grinding ball Mohs hardness: 9; natural cobblestone Mohs hardness: 7.
3. Corrosion resistance: Alumina grinding ball has better performance in most acids and alkalis resistance.
4. Wear loss: Alumina grinding ball Max. 0.15%, natural cobblestone 1.4%.
5. Shape: Alumina grinding ball uniform and regular in shape, natural cobblestone natural, irregular in shape.

Alumina Support Media

Alumina ball is also used for catalyst bed support for oil refining, petrochemical and natural gas

applications.

Alumina support ball features:

1. High temperature resistance, the alumina support ball working temperature range is mostly 100°C to 1,200°C.
2. High pressure resistance.
3. Low water absorption rate.
4. Chemical inertness.
5. Resistance to thermal shock.

The main role of inert alumina ball is increasing the distribution of liquid and gas, holding and protecting the activated catalyst with low strength.

HuaMing Alumina Technology Ltd.

Alumina balls, alumina grinding ball, inert alumina ball from HuaMing Alumina Technology Ltd., China.

For ball mill grinding media and ceramic tower packing, catalyst bed support.

Best quality, competitive pricing and prompt shipment!

For more details, pls visit:

URL : <http://www.alumina-ball.com/>

BLOG : <http://www.alumina-ball.com/blog/>

Notes:

1. Bulk density: The weight of a material (including solid particles and any contained water) per unit volume including voids.
2. Cobblestone: A rock fragment, usually rounded or semirounded, with an average dimension between 3 and 12 inch. (75 and 300 mm).
3. Water absorption: A phenomenon in the transmission of electromagnetic radiation through a medium containing water molecules.
4. Thermal shock: The name given to cracking as a result of rapid temperature change.