



Technical resources

agate ball

<https://www.tencanballmills.com/en/products/grinding-series/ball-mill-media/agate-ball.html>

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agate ball

Model:

High-strength, high-toughness agate grinding balls made from imported raw materials. Offer superior wear resistance, long service life, and reduced contamination for ball milling applications.

Technical specifications

Diameter	3~20mm
Density	$\approx 2.65\text{g/cm}^3$
Hardness	Medium, Mohs 7

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Made of imported agate, it not only has high strength and toughness, but also has high wear resistance. It can be used in various ball mills, has a long service life, can reduce costs, reduce ball wear during production and processing, and has little impact on the environment.





Technical parameters

diameter: $\Phi 3\text{mm}-\Phi 20\text{mm}$

Main ingredients: Natural SiO_2

Density (g/cm^3): ≈ 2.65

hardness: Moderate, Mohs 7

Wear resistance (wear rate): Good, high brittleness, brittle

Contamination risk: Very low, mainly introducing Si impurities

Main application areas: Laboratory analysis (geology, mining, environmental protection), food, Chinese medicinal materials and other soft materials that avoid metal contamination.

*** The above parameters are for reference only. The specific parameters are subject to actual conditions or customized parameters can be customized according to special requirements.;**

1. It has high specific gravity, high strength, high crushing efficiency and can shorten the processing time.
2. It has high true sphericity, smooth surface, small diameter distribution, and can crush and disperse high-precision products.
3. Due to the use of high-purity raw materials, it has high wear resistance and can reduce the mixing of impurities.
4. Good wear resistance, long life, no need to replenish agate grinding balls frequently, reducing production costs.
5. It can also exert greater power in wet crushing and dispersion of viscous and heavy specific objects to be crushed.
6. When used in the crushing process of the mixing ball mill, there is no need to worry about the rust and corrosion of the balls.

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Before operation, review the selected model's instructions and the material requirements.