



High Purity Alumina Beads and Mill Jars

■ Feature

- Excellent abrasion resistance
- High purity
- Excellent corrosion resistance
- Energy saving of grinding and dispersion

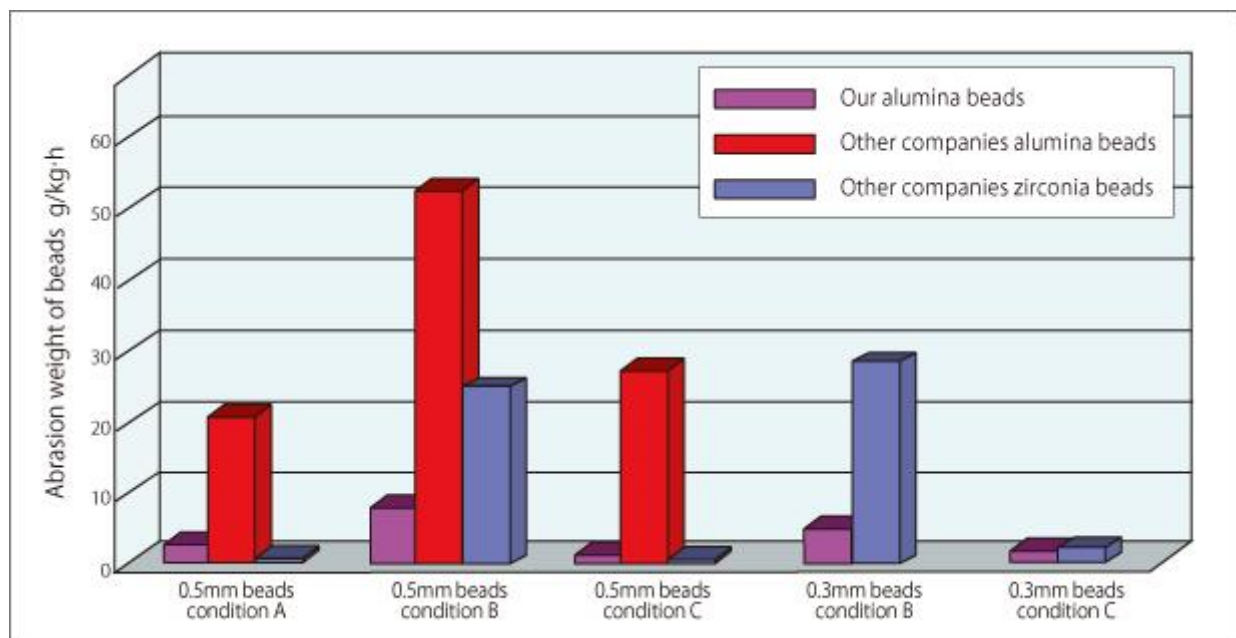
■ Main Technical Data

Chemical Composition	$\text{Al}_2\text{O}_3 \geq 99\%$
Specific Density	$\geq 3.9 \text{ g/cm}^3$
Vickers Hardness (HV5)	1300Mpa
Wear Rate	0.03g/kg.h
Flexural Strength	350Mpa
Breaking Strength ($\phi 30$)	55000N
Filling Density	2.4 g/cm^2
Roundness	95%



■ Abrasion Resistant Test

Comparison of amounts of beads abrasion when agitator beads mill is used



■ Standard Sizes (ømm)

Beads

ø0.05–0.1	ø0.1–0.15	ø0.1–0.2	ø0.2–0.3	ø0.2–0.4	ø0.3–0.4
ø0.4–0.5	ø0.4–0.6	ø0.5–0.7	ø0.6–0.8	ø0.7–0.8	ø0.7–0.9
ø0.8–1.0	ø0.9–1.0	ø0.9–1.1	ø1.0–1.2	ø1.2–1.4	ø1.4–1.6
ø1.6–1.8	ø1.8–2.0	ø2.0–2.2	ø2.2–2.5	ø2.5–2.8	ø2.8–3.2
ø3.2–3.5	ø4	ø5			

Balls

ø6	ø7	ø8	ø10	ø15	ø20
ø30					

* Support customization.

■ Applications



Maquillage



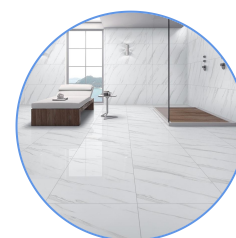
Farming



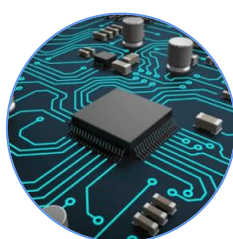
Plastics



Pigments



Tiles



Electronic
Component



Cement



Sanitary
Ware



Mineral

Description

Alumina ceramic jars are used whenever small quantity of samples needed to be grinded. Each jar set includes grinding jar, lid, rubber sealing gasket and different sizes of mixed alumina ceramic grinding balls. It is best container for grinding rare earth materials, precious metals, medium and low ceramic capacitors, NTC, PTC piezoelectric ceramic and lithium

We can customize various types of vacuum jar according to customer's needs.



Physical Parameters

Composition	$\text{Al}_2\text{O}_3 \geq 99\%$
Specific Gravity	$\geq 3.8 \text{ g/cm}^3$
Hardness	9 Mho's
Bending Strength	$> 350 \text{ Mpa}$
Water Absorption Rate	$\leq 0.005\%$

Specification Parameters

Volume of Jar	Inner Diameter (mm)	External Diameter (mm)	Height of Without Lid (mm)
100ML	40	48.5	64
250ML	75	91	79
500ML	88	104	98
1L	108	128	138
2L	138	158	150
3L	138	158	208

* Size deviation within $\pm 3\text{mm}$.



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