



XIETA

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HIGH DENSITY ALUMINA CYLINDERS

XIETA® - 92

CHARACTERISTICS

Xieta 92 high-density alumina cylinders are a technical variety of Xieta 92 alumina balls, used both in wet and dry grinding in sectors as important as the ceramic, paint, chemical, mining, ...

Although the manufacturing processes for alumina cylinders are slightly different from those for alumina balls, Xieta International has developed a specific process for forming alumina cylinders, in order to achieve cylinders with the same mechanical properties as the alumina balls.

Cylinders can be used under the same conditions as alumina balls, but due to their geometry, we do not recommend their use in dry milling due to the high energy conditions that occur during this type of milling. In dry grinding, the impact forces between the different grinding bodies predominate, so the cylinders could be subjected to too much stress.

Due to the great mechanical properties developed in our cylinders, especially their low wear rate and high resistance to scrubbing, Xieta International's alumina cylinders are also used in rubber backed ceramic wear liner, widely used in the mining sector as protective wear proof plates.

GENERAL PROPERTIES

Main Raw Material	Alumina
Alumina Content (%)	≥ 92
Density (g/cm ³)	3.67 ± 0.05
Colour	White
Mohs Hardness	9
Compressive Strength (kgf-2 mm)	2000 ± 50

CHEMICAL COMPOSITION

Al ₂ O ₃ (%)	≥ 92
SiO ₂ (%)	≥ 5.62
CaO (%)	≤ 1.48
Na ₂ O (%)	≤ 0.1
Others (%)	≥ 2.8

AVAILABLE SIZES

Diameter x Height (mm)	Diameter x Height (inch)	Diameter x Height (mm)	Diameter x Height (inch)
25 x 25	1 x 1	25 x 40	1 x 1 ^{1/2}
32 x 32	1 ^{1/4} x 1 ^{1/4}	32 x 40	1 ^{1/4} x 1 ^{1/2}
45 x 45	1 ^{3/4} x 1 ^{3/4}	45 x 40	1 ^{3/4} x 1 ^{1/2}
50 x 50	2 x 2	50 x 40	2 x 1 ^{1/2}

* Please ask for further sizes

Data and specifications contained in this form may be subject to any change or modification by the manufacturer without notice. In case you need any clarification or you have any query, please contact our technical department.