



THE EXCELLENCE
ADAPTED TO YOUR NEEDS



XIETA

XIETA- 75 BTS

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MEDIUM DENSITY ALUMINA BALLS

XIETA - 75 BTS

CHARACTERISTICS

The XIETA 75BTS alumina balls are being manufactured with high purity bauxite with high percentage of Gibbsite which ensures an alumina contents of 75%. This alumina content grants excellent mechanical properties and a wear resistance well above those usually present in balls made with bauxite.

The XIETA 75BTS balls are the grinding media natural substitutes of traditional flint pebbles. Comparing both types of grinding media, using BTS75 performance improves dramatically due to the high quality and purity of the raw materials used for their manufacture, their great sphericity (due to the isostatic pressing) and its higher density, which give them excellent properties as a grinding media.

These kind of balls are recommended for grinding all kinds of soft raw materials, obtaining the following advantages compared with flint pebbles:

- 1 – Reduction of milling time.
- 2 – Reduction of the granulometric dispersion after grinding.
- 3 – Production increase.
- 4 – Reduction of energy consumption.

GENERAL PROPERTIES

Main Raw Material	Calcined Alumina
Alumina Content (%)	≥ 75
Specific Weight (g/cm ³)	3.20 ± 0.05
Colour	Light Beige
Mohs Hardness	8 - 9
Compressive Strength (kgf-2 mm)	1000 ± 50

CHEMICAL COMPOSITION

Al ₂ O ₃ (%)	≥ 75
SiO ₂ (%)	≥ 19
CaO (%)	≥ 1.5
MgO (%)	≥ 1
Na ₂ O (%)	≤ 0.3
Others (%)	≥ 3.2

AVAILABLE SIZES

Diameter (mm)	Diameter (inches)	Diameter (mm)	Diameter (inches)
30	1 ^{1/4}	50	2
40	1 ^{1/2}	60	2 ^{1/2}

* Please ask for further sizes

Data and specifications contained in this technical data sheet 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.