



HIGH DENSITY ALUMINA BEADS

ALUWIN® - 92

Characteristics

The ALUWIN®-92 beads is a microcrystal alumina beads, specially developed to get the best grinding process efficiency with a very low wear rate, that let it be used for a lot of grinding applications: ceramic tiles, sanitary ware, paints industry, coating and glaze,...

It is important to highlight the great use and acceptance that have our product in the mining industry, where the grinding conditions are more energy that in other types of applications.

Our ALUWIN®-92 ball It is being used in all types of grinding equipment: ball mill, pot mill, vibration mill, vertical mills, horizontal mills, agitated media mills and stirred media mills and other fine powder grinding equipment.

Its grinding efficiency and wear resistance are much better than others grinding media that let our customers reduce their manufacture grinding cost.

Another advantage of our alumina beads is its excellent corrosion resistance. It can withstand exposure to acids, alkalis, and other corrosive substances without deteriorating.

General Properties

Property	Value
Main Raw Material	Alumina
Alumina Content (%)	≥ 92
Specific Weight (g/cm ³)	3.70 ± 0.03
Colour	White
Water Absorption (%)	Not Detected
Mohs Hardness	9
Roundness (%)	≥ 96
Wear loss Rate (g/kg.h)	≤ 0.8
Compressive strength (3 mm- N)	≥ 1100

Chemical Composition

Element	Quantity
Al ₂ O ₃ (%)	≥ 92
SiO ₂ (%)	≤ 5
Fe ₂ O ₃ (%)	≤ 0.1
Na ₂ O (%)	< 0.3
Others (%)	≤ 2.6

Available Sizes

Reference	Diameter (mm)	Reference	Diameter (mm)
ALUWIN92-0.5	0.5 – 1.0	ALUWIN92-4	4
ALUWIN92-1.5	1.5	ALUWIN92-5	5
ALUWIN92-2	2	ALUWIN92-6	6
ALUWIN92-2.5	2.5	ALUWIN92-7	7
ALUWIN92-3	3	ALUWIN92-8	8
ALUWIN92-3.5	3.5	ALUWIN92-10	10

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.

**VALUE
TO
MAXIMIZE
YOUR WIN**

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