



HIGH DENSITY ALUMINA BALLS

ALUWIN® - 92

Characteristics

The ALUWIN®-92 ball is a microcrystal alumina ball, 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 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.

General Properties

Property	Value
Main Raw Material	Calcined Alumina
Alumina Content (%)	≥ 92
Specific Weight (g/cm ³)	3.67 ± 0.03
Colour	White
Mohs Hardness	9
Vickers Hardness (0.5 kg)	≥1200
Bending Strength (MPa)	≥ 300
Compressive Strength (MPa)	≥ 2350
Thermal Expansion Coef. (20-1000 °C)	8.1 ± 0.5

Chemical Composition

Element	Quantity
Al ₂ O ₃ (%)	≥ 92
SiO ₂ (%)	≥ 5.80
CaO (%)	≤ 1.40
Na ₂ O (%)	< 0.10
Others (%)	≥ 0.7

Available Sizes

Reference	Diameter (mm)	Diameter (inches)
ALUWIN 92-10	10	² / ₅
ALUWIN 92-15	15	⁵ / ₈
ALUWIN 92-20	20	³ / ₄
ALUWIN 92-22	22	⁷ / ₈
ALUWIN 92-25	25	1
ALUWIN 92-30	30	1 ¹ / ₄
ALUWIN 92-40	40	1 ¹ / ₂
ALUWIN 92-45	45	1 ³ / ₄
ALUWIN 92-50	50	2
ALUWIN 92-60	60	2 ¹ / ₂

**VALUE
TO
MAXIMIZE
YOUR WIN**

Contact:

Sales Department

sales@valwin.es

Technical Department

technical@valwin.es

www.valwin.es

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.