



LOW ALUMINA CONTENT BALLS

ALUWIN® - 25

Characteristics

Inert ceramic balls are widely used as catalysts ("bed support") in the chemical, petrochemical, fertilizer, etc. Its main function is to increase the gas or liquid distribution points at the entrances of the catalytic towers, as well as to give support and protection to the catalysts. They are also widely used as fillers in the Packing Towers.

Inert ceramic balls are balls made basically with a mixture of Silica and Alumina that give the microstructure of the balls great mechanical properties, great chemical stability and high resistance to thermal stress.

These good physico-chemical properties allow its application in environments with very adverse environmental conditions, where high-temperature steams or acidic or alkaline environments can be found..

General Properties

Property	Value
Alumina Content (%)	≥ 25
Lecheable Iron (%)	< 0.1
Specific Weight (g/cm ³)	2.50 ± 0.05
Open Porosity (%)	≤ 0.3
Colour	White - Grey
Water Absorption (%)	< 0.5
Bulk Density (tn/m ³)	1.4
Max. Use Temperature (°C)	1200
Crusing Strength (kgf – 13 mm ball)	≥ 400

Chemical Composition

Element	Quantity
Al ₂ O ₃ (%)	≥ 25.1
SiO ₂ (%)	≥ 68.1
Fe ₂ O ₃ (%)	≤ 0.2
CaO (%)	≤ 0.8
Others (%)	≤ 5.8

Available Sizes

Reference	Diameter (mm)	Diameter (inches)
ALUWIN 25-03	3	1/7
ALUWIN 25-06	6	1/4
ALUWIN 25-10	10	1/3
ALUWIN 25-12	12	2/5
ALUWIN 25-13	13	1/2
ALUWIN 25-15	15	2/3
ALUWIN 25-19	19	3/4
ALUWIN 25-20	20	5/6
ALUWIN 25-22	22	7/8
ALUWIN 25-25	25	1

**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.