

## HIGH DENSITY ALUMINA BALLS

# XIETA<sup>®</sup> - 92

### Characteristics

The **XT<sup>®</sup>-92** ball is **Xieta's International**, S.L. customers most used ball, due to its efficiency for a lot of applications: from **clays and feldspars milling till cements and zirconium sands**. It is especially suitable for milling both **abrasive and hard raw materials such as corundum, silicon carbide, zirconium, feldspars, clinker, enamels, porcelains, etc.** and with the purpose to obtain at the end of the milling process **thinner residuum**. Due to their mechanical properties and crystalline internal structure, you can obtain particle sizes up to 2 microns at the end of the milling process.

### General Properties

Main Raw Material	Calcinate Alumina
Alumina content (%)	≥ 92
Specific weight (g/cm <sup>3</sup> )	3.67 ± 0.05
Colour	White
Moh's Hardness	9
Vickers Hardness (0.5 kg)	1200 ± 50
Bending strength (MPa)	340 ± 30
Compressive strength (MPa)	2300 ± 50
Thermal expansion Coeff. (20-1000 °C)	8.2 ± 0.5

### Chemical Composition

Al <sub>2</sub> O <sub>3</sub> (%)	≥ 92
SiO <sub>2</sub> (%)	≥ 5.62
CaO (%)	≤ 1.48
Na <sub>2</sub> O (%)	< 0.1
Others (%)	≥ 0.8

### Available Balls and Microballs sizes

Reference "Microballs"	Diameter
XT92-3	3-5 mm
XT92-5	5-7 mm
XT92-7	7-9 mm
XT92-9	9-11 mm
XT92-12	12 mm
XT92-14	14 mm
XT92-16	16 mm
XT92-18	18 mm

Reference	Diameter (mm)	Diameter (inches)
XT92-20	20	¾
XT92-22	22	7/8
XT92-25	25	1
XT92-30	30	1 ¼
XT92-40	40	1 ½
XT92-45	45	1 ¾
XT92-50	50	2
XT92-60	60	2 ½

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.

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