

ALUMINA WEAR RESISTANT XIETA® SPECIAL PIECES FOR ALL KIND OF INDUSTRIES

CHARACTERISTICS

The Xieta International S.L. alumina wear resistant special pieces, are being used as protective elements, in order to avoid oxide or any kind of chemical degradation in all sort of industries (turbines, cyclons, pipes, silos,...) which work in extreme abrasion or corrosion environment. These alumina wear resistant pieces provide to those facilities great performances during a longer time and with a lower cost (comparing with other market options).

- High mechanical hardness and resistance
- High wear resistance
- Total corrosion absence
- Chemical attack high resistance
- High temperatures' endurance; bearing more than 1000 °C

GENERAL PROPERTIES

Main Raw Material	Calcined Alumina
Alumina Content (%)	≥ 92
Specific Weight (g/cm ³)	3.67 ± 0.05
Colour	White
Mohs Hardness	9-10
Vickers Hardness (0.5 kg)	1250 ± 50
Compressive Strength (MPa)	2350 ± 50

CHEMICAL COMPOSITION

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

AVAILABLE REFERENCES

Due to the multiple applications of the wear resistance pieces and its particular adjustment, please, contact **Xieta International, S.L.**'s Technical Department for advising which sizes adapt better to your needs. We have available standard pieces, 284 mm x 284 mm x 10 mm mosaics (with individual pieces of 20 x 20 x 10 mm) and 100 x 45 x 10 mm flat pieces; there are also available a wide assortment of special pieces to solve every specific application.

THE EXCELLENCE
ADAPTED TO YOUR NEEDS



XIETA

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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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