

HIGH DENSITY ALUMINA LININGS

XIETA[®] - 92

Characteristics

High density alumina linings are used to avoid the contamination produced by oxide transferred to the material grinded in all types of ball mills. These linings are installed and fixed to the inside of the metallic part (drum) of the mill, avoiding the balls, raw materials and water, to get in touch with the metallic drum.

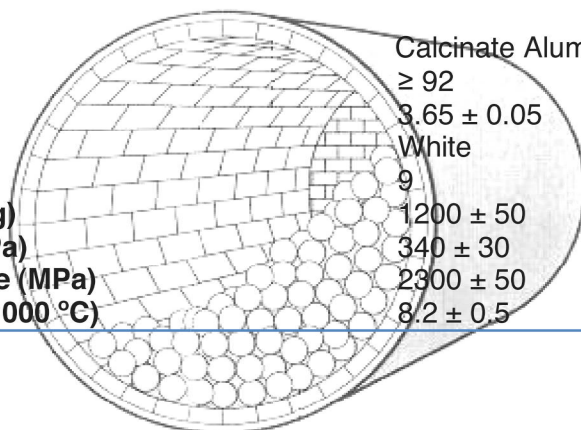
Xieta International, S.L., manufactures high density pieces (bricks) for all kind of diameter mills, from small ones starting at 600 mm up to 3,800 mm, or even bigger ones. The different lining thicknesses available are 40, 60, 70 and 100 mm, depending on the specific diameter of each mill and all the necessary applications.

It is extremely important for both lining maintenance and durability that the working milling conditions (speed mill rotation, balls charge, etc.), are the adequate. Xieta International, S.L., has available high qualified technicians for any specific advice for all our customers.

General Properties

Main Raw Material
Alumina content (%)
Specific weight (g/cm³)
Colour
Moh's Hardness
Vickers Hardness (0.5 kg)
Bending Resistance (MPa)
Compression Resistance (MPa)
Thermal Coef. Exp. (20-1000 °C)

Calcinate Alumina
≥ 92
3.65 ± 0.05
White
9
1200 ± 50
340 ± 30
2300 ± 50
8.2 ± 0.5

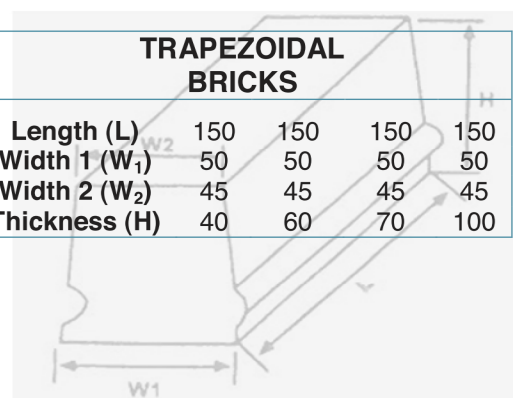
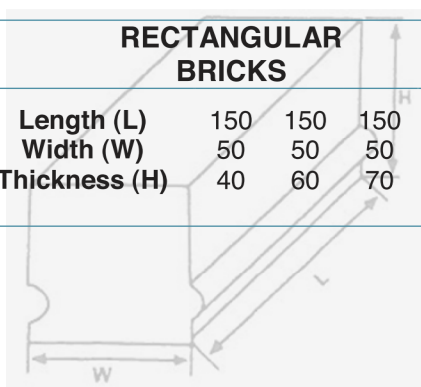


Chemical Composition

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

Available lining measurements (mm)

RECTANGULAR BRICKS					TRAPEZOIDAL BRICKS				
Length (L)	150	150	150	150	Length (L)	150	150	150	150
Width (W)	50	50	50	50	Width 1 (W ₁)	50	50	50	50
Thickness (H)	40	60	70	100	Width 2 (W ₂)	45	45	45	45
					Thickness (H)	40	60	70	100



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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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High density alumina balls and lining bricks

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