



ALMA 80 SP

Classification:	High alumina brick
Main raw materials:	Bauxite
Refractoriness:	>1800 °C
Type of bond:	Phosphate Bonded
Features and main applications:	Aluminum, steel and cement industries (especially the rotary kiln safety zone where low porosity and high resistance to wear and corrosion are required).

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	P ₂ O ₅
77-81	8-12	< 2.5	< 3.5	2-3

Properties

Bulk density (g/cm³)	2.55-2.80
Cold crushing strength (kg/cm²)	800-1100
Apparent porosity (%)	16-22
R.U.L (T0.5)(°C)	≈ 1450
Thermal shock (Cycle in water)	30

ASTM Test Methods, where applicable, used for determination of data.

The above data are typical of the properties of commercial Standard brick.

These data represent average properties obtained from commercial products and should not be considered as guaranteed specifications.

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