



ALMA 80

Classification:	High alumina brick
Main raw materials:	Bauxite
Refractoriness:	>1800 °C
Type of bond:	Ceramic
Features and main applications:	Excellent resistance to high temperatures. Working and safety layers in steel melting tanks, electric arc furnace roofs, rolling mills and high temperature areas of cement plants as well as chemical and non-ferrous industries.

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
77-81	11-13	< 2.5	< 4

Properties

Bulk density (g/cm³)	2.55-2.75
Cold crushing strength (kg/cm²)	600-800
Apparent porosity (%)	16-22
R.U.L (T0.5)(°C)	≈1460
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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