



ALMA 45 SP

Classification:	Chamotte Brick
Main raw materials:	Fire Clay
Refractoriness:	1710 °C
Type of bond:	Phosphate Bonded
Features and main applications:	In refractory layers where the brick is subject to wear. Walls of aluminum furnaces, rotary kilns and lime kilns.

Chemical Composition

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	P ₂ O ₅
42-46	50-54	<2.5	<2.5	0.5-1.5

Properties

Bulk density (g/cm³)	2.25-2.40
Cold crushing strength (kg/cm²)	400-650
Apparent porosity (%)	10-17
R.U.L (T0.5)(°C)	≈ 1350

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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