

Product Type  
Classification

Alumina Silica Brick  
ASTM C-27

Average Values      Units      Standard  
ASTM C-573

Chemical Composition

Al <sub>2</sub> O <sub>3</sub>	30 – 32	%
SiO <sub>2</sub>	62 – 64	%
Fe <sub>2</sub> O <sub>3</sub>	1.5 – 2.0	%

Physical Properties

Refractoriness	1650	°C	ASTM C -24
Bulk Density	> 2.15	g/cm <sup>3</sup>	ASTM C -20
Apparent Porosity	< 19	%	ASTM C -20
Cold Compressive Strength	> 300	kg/cm <sup>2</sup>	ASTM C -133
Refractoriness under Load, t0.5	> 1300	°C	ASTM C -16
Linear Thermal Expansion at 1000 °C	0.67	%	ASTM C -832

Tolerance in Dimensions

ASTM C -134

≤ 150 mm	± 1.5	mm
≥ 150 mm	± 1.0	%

The data given in this technical information sheet have been determined as average values on test specimens of standard bricks .

Study No: 32-12-23

Date : 30/12/2023

Item No.

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