



RS.IS.1432

Type of Product: Bubble Alumina Insulating Fire Brick (Grade : 32)

Physical Properties:

Max Service Temperature (°C)	1760
Bulk Density (Kg/m ³)	1450-1550
Cold Crushing Strength (Kg/Cm ²)	≥100
Modulus of Rupture (Kg/Cm ²)	≥30
Linear shrinkage after reheating at 1550°C for 24 hours (%)	< 0.5

Thermal Conductivity (Kcal/m.h.°C):

@ 400 °C	0.75 – 0.80
@ 600 °C	0.77 – 0.82

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	Na ₂ O + K ₂ O
≥ 94	4 - 6	≤ 0.1	≤ 0.7

- The above data are typical of the properties of commercial standard brick.
- The data are subject to reasonable variations and therefore should not be used for specification purposes.
- ASTM Test Methods, where applicable, used for determination of data.

Rev. date : 03/11/25