



RS.IS.623

Type of Product: Insulating Fire Brick (Grade : 23)

Physical Properties:

Max Service Temperature (°C)	1260
Bulk Density (Kg/m ³)	580-650
Cold Crushing Strength (Kg/Cm ²)	≥ 12
Modulus of Rupture (Kg/Cm ²)	≥ 6
Linear shrinkage after reheating at 1180°C for 24 hours (%)	< 2

Thermal Conductivity (Kcal/m.h.°C):

@ 400 °C	0.23 - 0.25
@ 600 °C	0.26 - 0.28

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃
37 <	50 - 54	1.5 - 2

- 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 : 03/10/26