



RS.CH.40T

Type of Product: High Duty Fire Clay Brick

Physical Properties:

Refractoriness (°C)	1715
Bulk Density (Kg/m ³)	2150 - 2250
Porosity (%)	16 - 20
Cold Crushing Strength (Kg/Cm ²)	≥ 340
Modulus of Rupture (Kg/Cm ²)	≥ 80

Thermomechanical Properties:

Linear Change After heating at 1600° C (%)	+1.3 to +2.1
Refractoriness Under load (°C)	>1340
Reversible Liner Thermal Expansion at 1400°C (%)	Approx 0.7

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	Na ₂ O+K ₂ O+LiO ₂
39 - 41	51 - 53	2.5 - 3	4.5 - 5	0.7 - 0.9

- 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 : 95/11/22