



## RS.CH.40S

**Type of Product:** Super Duty Fire Clay Brick

### Physical Properties:

Refractoriness (°C)	1745
Bulk Density (Kg/m <sup>3</sup> )	2180 - 2300
Porosity (%)	14 - 19
Cold Crushing Strength (Kg/Cm <sup>2</sup> )	≥ 340
Modulus of Rupture (Kg/Cm <sup>2</sup> )	≥ 80

### Thermomechanical Properties:

Linear Change After heating at 1600° C ( % )	+1.0 to +1.5
Refractoriness Under load (°C)	> 1360
Reversible Liner Thermal Expansion at 1400°C ( % )	Approx 0.8

### Chemical Analysis (%):

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	Na <sub>2</sub> O+K <sub>2</sub> O+LiO <sub>2</sub>
40 - 42	51 - 53	1.9 - 2.1	1.8 - 2	0.9 - 1.1

- 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.

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