

**HI-HEAT**  
HIGH DUTY FIRECLAY BRICK

CLASSIFICATION

ASTM C-27 Regular  
High-Heat Duty, Alumina  
Fireclay Brick

P.C.E.

Cone 30 ½ – 31

METHOD OF MANUFACTURE

Dry Press

CHEMICAL ANALYSIS (approximate)

Silica	[SiO <sub>2</sub> ]	58.9%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	34.6%
Ferric Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.9%
Titania	[TiO <sub>2</sub> ]	2.3%
Alkalies	[Na <sub>2</sub> O + K <sub>2</sub> O]	2.0%
Other		0.3%

MODULUS OF RUPTURE

750 – 1000 psi

COLD CRUSHING STRENGTH

3000 – 4000 psi

APPARENT POROSITY

16 – 21.5%

BULK DENSITY

128 – 135 lbs./cu.ft.

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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