

## Epic® 80C

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**DESCRIPTION:** A burned alumina brick based on bauxite, and fortified with chrome ore to provide improved slag resistance. Chrome levels to meet customer demands, but 3 and 5% are standard.

**USES INCLUDE:** EAF roof brick  
Ladle linings  
Kiln brick where aggressive atmospheres persist

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

Approximate % - calcined basis

Alumina	Al <sub>2</sub> O <sub>3</sub>	80.0
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	< 5
Chrome Oxide	Cr <sub>2</sub> O <sub>3</sub>	3.0-5.0

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity, %	22.0
Cold Crushing Strength, MPa (psi)	60 (8700)
Bulk Density, g/cc (pcf)	2.75 (184)

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.