



## Epic® 85

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**DESCRIPTION:** High-alumina brick made from bauxite and high-purity clays

**USES INCLUDE:** Ladle working linings, safety linings, EAF roofs

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

Al <sub>2</sub> O <sub>3</sub>	>85 %
Silica	8.0 %
Fe <sub>2</sub> O <sub>3</sub>	1.8 %
TiO <sub>2</sub>	4.0 %
CaO + MgO	1.0 %
K <sub>2</sub> O + Na <sub>2</sub> O	0.5 %
Refractories °C	1790

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity	19%
Bulk Density g/cm <sup>3</sup>	2.80
Cold Crushing Strength Mpa	≥ 58
Lin. Therm. Expansion at 1500°C	-0.4 ~ +0.1
Initial Soft Point Under Load 0.2 Mpa	≥ 1500 °C

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.

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