



## Epic® 85

---

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

**USES INCLUDE:** EAF roofs.  
Ladle working linings.  
Safety linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

Al <sub>2</sub> O <sub>3</sub>	> 85.0%
Silica	8.0%
TiO <sub>2</sub>	4.0%
Fe <sub>2</sub> O <sub>3</sub>	1.8%
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 (%):	19.0
Bulk Density (g/cm <sup>3</sup> ):	2.80
Cold Crushing Strength (MPa):	≥ 58
Initial Soft Point Under Load (MPa):	
@ 0.2	- 0.1 ~ + 0.1
Linear Thermal Expansion:	
@ 1500°C	≥ 1500

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.

Version 20.11

---