



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 ₂ O ₃	> 85.0%
Silica	8.0%
TiO ₂	4.0%
Fe ₂ O ₃	1.8%
CaO + MgO	1.0%
K ₂ O + Na ₂ O	0.5%
Refractories ° C	1790

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	19.0
Bulk Density (g/cm ³):	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.

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