

Epic® 85

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

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

CHEMICAL ANALYSIS:**Approximate % - calcined basis**

Al₂O₃	>85 %
Silica	8.0 %
Fe₂O₃	1.8 %
TiO₂	4.0 %
CaO + MgO	1.0 %
K₂O + Na₂O	0.5 %
Refractories °C	1790

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity	19%
Bulk Density g/cm³	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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Phone: 1-800-609-5711
www.fedmet.com