



## Epic® 90

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

**USES INCLUDE:** Working linings for ladles, tundishes, EAF roofs. Available with tar impregnation for iron ladle working linings (-TI).

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

Al <sub>2</sub> O <sub>3</sub>	90.0 %
SiO <sub>2</sub>	9.0 – 11.0 %
TiO <sub>2</sub>	≤ 1.0 %
Fe <sub>2</sub> O <sub>3</sub>	≤ 1.0 %
CaO	≤ 1.0 %
MgO	Trace
Alkalies	Trace

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity, %	16
Cold Crushing Strength, MPa (psi)	88 (12,500)
Bulk Density, g/cm <sup>3</sup> (pcf)	3.00 (187)
Linear Reheat Change, %	+ 0.5

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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