



Epic® 90

DESCRIPTION: High alumina brick made from Bauxite and high-purity alumina. Available with tar impregnation for iron ladle working linings (- TI).

USES INCLUDE: Working linings for ladles.
Tundishes.
EAF roofs.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

Al ₂ O ₃	90.0%
SiO ₂	9.0 - 11.0%
CaO	≤ 1.0%
Fe ₂ O ₃	≤ 1.0%
TiO ₂	≤ 1.0%
Alkalies	Trace
MgO	Trace

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	16.0
Bulk Density pcf (g/cm ³):	187 (3.0)
Cold Crushing Strength psi (MPa):	12,500 (88)
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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