



Epic® 70TI – High Alumina Brick (tar impregnated)

Epic® 70TI: Burned alumina brick, made with bauxite.

USES INCLUDE: Electric Furnace Sidewalls
Ladle linings
Ladle safety linings

Typical Chemical Analysis

Approximate % - Calcined basis

Al ₂ O ₃	72%
SiO ₂	22%
TiO ₂	3.0%
Fe ₂ O ₃	1.8%
CaO	0.1%
MgO	0.1%
K ₂ O+Na ₂ O	0.3%
C	6.0%
Refractories °C	1790

Typical Physical Properties

Apparent Porosity %	3
Bulk Density g/cm ³	2.82
Cold Crushing Strength Mpa	100
Firing Lining Change % Under 1500°C	-0.4 ~ +0.1

Note: 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.

(REV 6/05)