



Epic® 40 AR

DESCRIPTION: Acid-resistant alumina brick.

USES INCLUDE: Acid tank linings.
Furnace walls where acidic conditions prevail.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

SiO ₂	51.6%
Al ₂ O ₃	40.0%
Na ₂ O+K ₂ O+Li ₂ O	3.7%
Fe ₂ O ₃	2.2%
TiO ₂	1.6%
MgO	0.8%
CaO	0.1%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	6.0
Bulk Density pcf (g/cm ³):	142 (2.28)
Cold Crushing Strength psi (MPa):	7800 (54)
Cold MOR psi (MPa):	2030 (14)
Linear Reheat Expansion (%):	
@ 1400°C	+6.0
Water Absorption (%)	3.0

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.

Version 20.11
