



## Epic® 40 AR

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**DESCRIPTION:** Acid-resistant alumina brick.

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

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

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

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	6
Bulk Density pcf (g/cm <sup>3</sup> ):	142 (2.28)
Cold Crushing Strength psi (MPa):	7800 (54)
Cold MOR psi (MPa):	2030 (14)
Linear Reheat Expansion (%):	
@ 1400° C	+6
Water Absorption (%)	3

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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