



## Epic® 30AR

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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	61.8%
Al <sub>2</sub> O <sub>3</sub>	29.9%
Alkalis	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 (%):	7.0
Bulk Density, pcf (g/cm <sup>3</sup> ):	140 (2.25)
Cold Crushing Strength psi (MPa):	4350 (30)
Cold MOR, psi (MPa):	7250 (50)
Lining reheat change (%):	
@1500°C x 2 hrs	+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.

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