

Epic® 40AR

DESCRIPTION: Acid-resistant alumina brick

USES INCLUDE: Acid tank linings, furnace walls where acidic conditions prevail

CHEMICAL ANALYSIS:

Approximate % -

Alumina	Al ₂ O ₃	40
Silica	SiO ₂	51.6
Titania	TiO ₂	1.6
Ferric Oxide	Fe ₂ O ₃	2.2
Lime	CaO	0.1
Magnesia	MgO	0.8
Alkalies	Na ₂ O+K ₂ O+Li ₂ O	3.7

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity, %	6
Bulk Density, g/cm ³ (pcf)	2.28 (142)
Linear Reheat Expansion (1400C), %	+6
Water absorption, %	3
Cold Crushing Strength, MPa (psi)	54 (7800)
Cold MOR, MPa (psi)	14 (2030)

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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