



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 %)

| | |
|--|--------|
| Al ₂ O ₃ | 40 % |
| SiO ₂ | 51.6 % |
| TiO ₂ | 1.6 % |
| Fe ₂ O ₃ | 2.2 % |
| CaO | 0.1 % |
| MgO | 0.8 % |
| 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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