



## ATLAS 98: Burned Magnesite Brick

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**DESCRIPTION:** Burned and ceramically-bonded magnesite brick. Available with or without tar impregnation. Burned brick have higher porosity than chemically-bonded brick, so in certain applications, tar could be helpful to reduce slag penetration.

**USES INCLUDE:** EAF working lining and sub-hearth. BOF safety linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	98 %
CaO	0.6 %
Silica	1.0 %
Fe <sub>2</sub> O <sub>3</sub>	0.2 %
Al <sub>2</sub> O <sub>3</sub>	0.2 %

### TYPICAL AS RECEIVED PROPERTIES:

Bulk Density g/cm <sup>3</sup> (pcf)	2.95 (184)
Cold Crushing Strength Mpa (psi)	70.0 (10150)
Apparent Porosity %	< 18
Modulus of rupture MPA (psi)	
@22°C	13 (1885)
@1482°C	4 (580)
Refractoriness under load, °C (°F)	1630 (2966)

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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