



## Atlas 96TIZ: Burned Magnesite Brick w/ Zirconia

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**DESCRIPTION:** Atlas 96TIZ

**USES INCLUDE:** BOF Q-BOP tuyere pad

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

MgO	94 %
CaO	1.4 %
Silica	1.6 %
Fe <sub>2</sub> O <sub>3</sub>	1.1 %
Al <sub>2</sub> O <sub>3</sub>	0.7 %
ZrO <sub>2</sub>	2.0 %

### TYPICAL AS RECEIVED PROPERTIES:

Bulk Density g/cm <sup>3</sup> (pcf)	2.96 (184)
Cold Crushing Strength Mpa (psi)	100 (14500)
Apparent Porosity %	< 18 (before impregnation)
Modulus of rupture Mpa (psi)	
@22°C	15 (2175)
@1482°C	3 (435)
Refractoriness under load, °C (°F)	1610 (2930)

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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