



Atlas 96TIZ - Burned Magnesite Brick with Zirconia

DESCRIPTION: Atlas 96TIZ.

USES INCLUDE: BOF Q-BOP tuyere pad.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % - calcined basis)

MgO	94.0%
ZrO ₂	2.0%
Silica	1.6%
CaO	1.4%
Fe ₂ O ₃	1.1%
Al ₂ O ₃	0.7%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	< 18 (before impregnation)
Bulk Density, original g/cm ³ (pcf):	2.96 (184)
Cold Crushing Strength MPa (psi):	100 (14,500)
Modulus of rupture MPa (psi):	
@ 22° C (° F)	15 (2175)
@ 1482° C (° F)	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.

Version 20.11