

ATLAS 95: Burned Magnesite Brick

DESCRIPTION: Atlas 95 (with or without tar impregnation- TI)

USES INCLUDE: EAF sub-hearth. BOF and ladle safety lining.

CHEMICAL ANALYSIS:

Approximate % - calcined basis

MgO	95 %
CaO	1.4%
Silica	1.6%
Fe ₂ O ₃	1.1%
Al ₂ O ₃	0.7%

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density g/cm ³ (pcf)	2.94 (183)
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)	1620 (2948)

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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