



PINNACLE 7

6/05

PINNACLE 7: Magnesia-Carbon brick, resin bonded, made with 100% fused grain magnesite. Very high erosion and slag resistance. Good oxidation resistance due to high purity flake graphite. Anti-oxidants can be added.

USES INCLUDE: Electric Furnace Hotspots
Electric Furnace Sidewalls
Ladle Furnace Slaglines

CHEMICAL ANALYSIS: (MgO portion)

MgO	97.0 % by weight (approx.)
CaO	1.8
SiO ₂	0.7
Fe ₂ O ₃	0.3
Al ₂ O ₃	0.2

TYPICAL AS RECEIVED PROPERTIES:

Bulk Density, Original:	3.00 g/cm ³ (187 lb/ft ³)
Crushing Strength:	6000 psi
Apparent Porosity:	2.5 %
Anti Oxidants:	Can be added
% Carbon:	5 - 20%

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.