



## Apex 7

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**DESCRIPTION:** Ladle and furnace brick, resin bonded, made with predominately fused grain. Very high erosion and slag resistance. Good oxidation resistance due to high purity flake graphite. Antioxidants can be added.

**USES INCLUDE:** Electric furnace hotspots  
Electric furnace sidewalls  
Ladles  
BOF working linings

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	97.0 %
CaO	1.8 %
SiO <sub>2</sub>	0.7 %
Fe <sub>2</sub> O <sub>3</sub>	0.3 %
Al <sub>2</sub> O <sub>3</sub>	0.2 %

### TYPICAL AS RECEIVED PROPERTIES:

Bulk Density, Original g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	3.00 (187)
Crushing Strength psi (Mpa)	6000 (41)
Apparent Porosity %	2.5
Antioxidants	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.

Version 20.11

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