



## Apex® 6

**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	96.0%
CaO	1.0%
SiO <sub>2</sub>	1.0%
Fe <sub>2</sub> O <sub>3</sub>	0.7%
Al <sub>2</sub> O <sub>3</sub>	0.5%

### TYPICAL AS RECEIVED PROPERTIES:

Antioxidants:	Can be added
Apparent Porosity (%):	2.5
Bulk Density, original g/cm <sup>3</sup> (lb/ft <sup>3</sup> ):	3.00 (187)
Carbon (%):	5.0 – 20.0
Crushing Strength psi (MPa):	6000 (41)

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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