



Apex® 7

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	1.0%
SiO ₂	0.9%
Fe ₂ O ₃	0.6%
Al ₂ O ₃	0.4%

TYPICAL AS RECEIVED PROPERTIES:

Antioxidants:	Can be added
Apparent Porosity (%):	2.5
Bulk Density, original g/cm ³ (lb/ft ³):	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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