



Icon® 6

DESCRIPTION: Magnesia alumina carbon brick, resin bonded, made with fused grain. Very high erosion and slag resistance. Good oxidation resistance due to high-purity flake graphite. With antioxidants.

USES INCLUDE: Electric furnace hotspots and sidewalls.
Ladle furnace slaglines.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS - after ignition)

(Approximate % by weight)

MgO	86.0%
Al ₂ O ₃	10.0%
CaO	1.0%
SiO ₂	1.0%
Fe ₂ O ₃	0.7%

TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%)	2.5
Bulk Density, Orig g/cm ³ (lb./ft ³):	3.0 (187)
Cold Crushing Strength (psi)	6000
Carbon (%)	5.0 - 20.0

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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