



Icon® 7

DESCRIPTION: Magnesia alumina carbon brick, resin bonded, made with 100% 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 | 87.0% |
| Al ₂ O ₃ | 10.0% |
| CaO | 1.8% |
| SiO ₂ | 0.7% |
| Fe ₂ O ₃ | 0.3% |

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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