



## Fedcast 96

**DESCRIPTION:** Low moisture, tabular alumina castable bonded with high-purity cement. This product's exceptional hot strength provides maximum resistance to impact and abrasion. Available dry or pre-cast.

**USES INCLUDE:** Degasser snorkels, ladle lips, well blocks, burner blocks, etc.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al <sub>2</sub> O <sub>3</sub>	96.0%
CaO	3.0%
SiO <sub>2</sub>	0.1%
Fe <sub>2</sub> O <sub>3</sub>	0.1%
Alkalis	0.1%

### TYPICAL AS RECEIVED PROPERTIES:

Temperature °C (°F)	Bulk Density pcf (g/cc)	Cold Crushing Strength psi (MPa)	Cold MOR psi (MPa)	Linear Change %
149 (300)	188 (3.01)	6500 (45)	2250 (15)	0.0
815 (1500)	188 (3.01)	5500 (38)	1750 (12)	- 0.1
1538 (2800)	185 (2.96)	-	4750 (33)	0.2
1649 (3000)	-	-	4750 (33)	- 0.1

Material Installed Weight lb./ft (g/cc):	185 (2.96)
Maximum Grain Size (mesh)	4
Recommended Water Range (%):	5.5 - 6.0
Service Temperature °C (°F):	1815 (3300)

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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