



## Fedcast 96

**DESCRIPTION:** Fedcast 96 is a low moisture, tabular alumina castable bonded with high purity cement. This product's exceptional hot strength provides for maximum resistance to impact and abrasion. Available dry or precast.

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

**CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)**  
(Approximate % by weight)

Al <sub>2</sub> O <sub>3</sub>	96 %
SiO <sub>2</sub>	0.1 %
Fe <sub>2</sub> O <sub>3</sub>	0.1 %
CaO	3.0 %
Alkalies	0.1 %

The optimum amount of water to be added before casting is 6.0 - 7.0%.

**TYPICAL AS RECEIVED PROPERTIES:**

Temperature °F (°C)	Linear Change %	Cold MOR (psi)	Cold Crushing Strength (psi)	Bulk Density pcf (g/cc)
300 (149)	0	2250 (15)	6500 (45)	188 (3.01)
1500 (815)	-0.1	1750 (12)	5500 (38)	188 (3.01)
2800 (1538)	0.2	4750 (33)	-	185 (2.96)
3000 (1649)	-0.1	4750 (33)	-	-

Material installed weight, lb/ft (g/cc)	185 (2.96)
Recommended water range, %	5.5 - 6.0
Service temperature °F (°C)	3300 (1815)
Maximum grain size	4 mesh

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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