

## Fedcast 94C

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**DESCRIPTION:** Fedcast 94C is a high alumina low moisture castable fortified with chrome. Fedcast 94C is designed for maximum resistance to abrasion and erosion at temperatures to 3100°F.

**USES INCLUDE:** Ladle lips, EAF deltas and spouts, wellblocks, plugblocks, burner blocks, tundish furniture and nozzle blocks

**CHEMICAL ANALYSIS:** Approximate % by weight

Chemistry	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	Alk	Cr <sub>2</sub> O <sub>3</sub>
Percentage	93.5	0.29	0.12	1.40	0.02	1.75	0.04	3.00

### TYPICAL AS RECEIVED PROPERTIES:

Temperature °F (°C)	Linear Change %	Cold MOR PSI (Mpa)	Bulk Density PCF (Mpa)
500(260)	0	1250 (9)	190 (3.04)
1750(954)	-0.1	1100 (8)	188 (3.01)
3000(1649)	0.9	2250(15)	185 (2.96)

Material installed weight, pcf (g/cc) 190 (3.04)  
 Recommended water range 4 – 5%  
 Service temperature °F (°C) 3100 (1704)  
 Maximum grain size 3 mesh (Tyler)

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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