



Fedcast 94C

DESCRIPTION: High alumina low moisture castable fortified with chrome. Designed for maximum resistance to abrasion and erosion at temperatures up to 3100°F.

USES INCLUDE: Ladle lips, EAF deltas and spouts, Well blocks, Plug blocks, Burner blocks, Tundish furniture, and Nozzle blocks.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	93.5%
Cr ₂ O ₃	3.00%
TiO ₂	1.75%
CaO	1.4%
SiO ₂	0.29%
Fe ₂ O ₃	0.12%
Alk	0.04%
MgO	0.02%

TYPICAL AS RECEIVED PROPERTIES:

Temperature °C (°F)	Bulk Density pcf (g/cc)	Cold MOR psi (MPa)	Linear Change %
260 (500)	190 (3.04)	1250 (9)	0
954 (1750)	188 (3.01)	1100 (8)	- 0.1
1649 (3000)	185 (2.96)	2250 (15)	0.9

Material Installed Weight pcf (g/cc): 190 (3.04)
 Maximum Grain Size (mesh): 3 (tyler)
 Recommended Water Range (%): 4.0 - 5.0
 Service Temperature °C (°F): 1704 (3100)

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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