



Fedcast 94C

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: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	93.5 %
SiO ₂	0.29 %
Fe ₂ O ₃	0.12 %
CaO	1.40 %
MgO	0.02 %
TiO ₂	1.75 %
Alk	0.04 %
Cr ₂ O ₃	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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