



Fedcast 95M

DESCRIPTION: Fedcast 95M is a high strength low moisture castable based on high purity MgO. It also has excellent resistance to molten steels and slags.

USES INCLUDE: Fedcast 90M is recommended for the production of pre-cast shapes such as electric furnace runners, tundish baffles, dams and splash pads.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)
(Approximate %)

Al ₂ O ₃	0.6 %
SiO ₂	0.9 %
Fe ₂ O ₃	0.7 %
CaO	1.8 %
MgO	95.0 %
P ₂ O ₅	<0.1 %
Alkalies	<0.1 %
Other	<0.1 %

TYPICAL AS RECEIVED PROPERTIES:

Temperature °F (°C)	Linear Change %	Cold MOR (Psi)	CCS (Psi)	Bulk Density (Lbs/ft ³)
300 (149)	-.3	1400 (10)	5500 (38)	180 (2.88)
1500 (815)	-.3	1100 (8)	4000 (28)	177 (2.84)
2800 (1538)	+.2	1750 (12)	7000 (48)	180 (2.88)
3000 (1649)	-1.0	1750 (12)	7000 (48)	182 (2.92)

Apparent Porosity %	13
Material installed weight (g/cc)	180 lb/ft
Recommended water range	4.5 – 5.5
Service temperature °F (°C)	3100 (1704)
Maximum grain size	3 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.

Version 20.11