



Fedcast 95M

DESCRIPTION: High strength low moisture castable based on high purity MgO. Has excellent resistance to molten steel and slags.

USES INCLUDE: 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 %)

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

TYPICAL AS RECEIVED PROPERTIES:

Temperature ° C (° F)	Bulk Density pcf (lbs/ft ³)	Cold Crushing Strength psi (MPa)	Cold MOR psi (MPa)	Linear Change %
149 (300)	180 (2.88)	5500 (38)	1400 (10)	- 0.3
815 (1500)	177 (2.84)	4000 (28)	1100 (8)	- 0.3
1538 (2800)	180 (2.88)	7000 (48)	1750 (12)	+ 0.2
1649 (3000)	182 (2.92)	7000 (48)	1750 (12)	- 1.0

Apparent Porosity (%):	13
Material Installed Weight lb/ft:	180
Maximum Grain Size (mesh)	3
Recommended Water Range (%):	4.5 - 5.5
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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