



Fedcast 60

DESCRIPTION: Fedcast 60 is a low-moisture castable made from high-purity aluminas

USES INCLUDE: Ladle safety linings, reheat furnace walls/hearth, tundish linings and furniture

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % by weight)

Al ₂ O ₃	60 %
SiO ₂	35.8 %
CaO	1.3 %
Fe ₂ O ₃	0.9 %
MgO	0.1 %
Alk	0.1 %
TiO ₂	1.6 %

TYPICAL AS RECEIVED PROPERTIES:

Temperature °F (°C)	Bulk Density Pcf (g/cc)	Cold MOR PSI (Mpa)	Linear Change %	CCS PSI (Mpa)
300 (149)	159 (2.55)	2500 (17)	0.0 to -0.2	8500 (58)
2200 (1204)	160 (2.56)	4000 (75)	-0.1 to 0.3	14000 (96)
2800 (1538)	156 (2.5)	4000 (75)	1.2 to 1.4	15000 (103)
3000(1649)	156 (2.5)	2750(19)	-0.2 to -0.7	12500 (86)

Service temperature °F (°C)	3000 (1649)
Material installed weight, pcf (g/cc)	160 (2.56)
Recommended water range	Self flow or pump 4.8 – 5.5% Vibrated 4.0 – 4.7%
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.

Version 20.11