



Fedcast N

DESCRIPTION: Low iron 3100°F castable with excellent abrasion resistance. Also has excellent spalling and slag resistance.

USES INCLUDE: General maintenance castable.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % by weight)

Al ₂ O ₃	64.4%
SiO ₂	29.6%
CaO	2.9%
TiO ₂	1.7%
Fe ₂ O ₃	1.0%
MgO	0.1%
Alkalis	0.1%

Water addition for mixing 3.5 - 5 quarters per 75 lb bag.

TYPICAL AS RECEIVED PROPERTIES:

Temperature °C (°F)	Cold Crushing Strength psi (MPa)	MOR psi (MPa)	Linear Change %
110 (230)	2250 (15)	550 (4)	- 0.1
815 (1500)	1250 (9)	450 (3)	- 0.1
1093 (2000)	1000 (7)	350 (2)	- 0.3
1399 (2550)	3600 (24)	1100 (8)	+ 0.2
1598 (2910)	4600 (32)	1900 (13)	+ 0.6

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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