

Fedcast N

DESCRIPTION: Fedcast N is a low iron 3100°F castable with excellent abrasion resistance. Fedcast N also has excellent spalling and slag resistance.

USES INCLUDE: General maintenance castable

CHEMICAL ANALYSIS:

Approximate %

Alumina	Al ₂ O ₃	64.4
Silica	SiO ₂	29.6
Lime	CaO	2.9
Ferric Oxide	Fe ₂ O ₃	1.0
Magnesia	MgO	0.1
Alkalies		0.1
Titania	TiO ₂	1.7

Water addition for mixing 3.5 - 5 quarts per 75 lb bag

TYPICAL AS RECEIVED PROPERTIES:

TEMP. °F (°C)	MOR PSI (Mpa)	CCS PSI (Mpa)	LINEAR
230 (110)	550 (4)	2250 (15)	-0.1
1500 (815)	450 (3)	1250 (9)	-0.1
2000(1093)	350 (2)	1000 (7)	-0.3
2550 (1399)	1100 (8)	3600 (24)	+0.2
2910 (1598)	1900 (13)	4600 (32)	+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.