



Fedcast 50 LI

DESCRIPTION: A general-purpose low-iron conventional castable refractory containing burn-out fibers.

USES INCLUDE:

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	48.0 - 50.0%
SiO ₂	40.0 - 42.0%
CaO	6.0 - 7.0%
Alkalis	2.1%
TiO ₂	2.0 - 3.0%
Other	< 2.0%
Fe ₂ O ₃	< 1.0%
Na ₂ O + K ₂ O	< 1.0%

TYPICAL AS RECEIVED PROPERTIES:

C865

Bulk Density g/cc (lb./ft³):

@ 25°C (75°F)	2.1 - 2.3 (130 - 144)
@ 110°C (230°F)	2.1 - 2.2 (130 - 137)
@ 816°C (1500°F)	2.0 - 2.1 (125 - 130)
@ 1370°C (2500°F)	1.9 - 2.0 (119 - 125)

C865

Linear Change (%):

@ 110°C (230°F)	- 0.2 to + 0.0
@ 816°C (1500°F)	- 0.4 to - 0.0
@ 1370°C (2500°F)	+ 1.6 to + 2.5

C133

Cold Crushing Strength psi (MPa):

@ 25°C (75°F)	3500 - 4500 (21 - 25)
@ 110°C (230°F)	5500 - 6500 (37 - 44)
@ 816°C (1500°F)	3000 - 4000 (20 - 27)
@ 1370°C (2500°F)	4500 - 6000 (31 - 41)



INFORMATION BULLETIN

Dry Material Required for Use	
kg/m ³ (lb./ft ³):	2000 - 2100 (125 - 130)
Maximum Grain Size mm (Mesh):	4.7 (4)
Maximum Hot Face Temperature	
°C (°F):	1595 (2900)
Water Required (%):	10.0 - 14.0

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

Phone: 1-800-609-5711
www.FRCglobal.com