



## Fedcast 40

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**DESCRIPTION:** Alumina castable made from high-quality flint clay and plastic clays.

**USES INCLUDE:** General structural and maintenance material for reheat furnaces.  
Ladle and tundish safety linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al <sub>2</sub> O <sub>3</sub>	46.0%
SiO <sub>2</sub>	45.2%
CaO	3.0%
Alkalies	2.1%
Fe <sub>2</sub> O <sub>3</sub>	1.7%
TiO <sub>2</sub>	1.6%
MgO	0.2%

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	18.0
Bulk Density pcf (g/cc):	139 (2.23)
Linear Reheat Expansion (%):	9.0

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.

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