

## **Fedcast 50**

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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:**

Approximate %

Alumina	Al <sub>2</sub> O <sub>3</sub>	50.0
Silica	SiO <sub>2</sub>	41.2
Titania	TiO <sub>2</sub>	1.6
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	1.7
Lime	CaO	3.0
Magnesia	MgO	0.2
Alkalies		2.1

### **TYPICAL AS RECEIVED PROPERTIES:**

Apparent Porosity, %	18
Bulk Density, pcf (g/cc)	139 (2.23)
Linear Reheat Expansion,%	9

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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