

**Fedcast 96**


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**DESCRIPTION:** Fedcast 96 is a low moisture, tabular alumina castable bonded with high purity cement. This product's exceptional hot strength provides for maximum resistance to impact and abrasion. Available dry or precast.

**USES INCLUDE:** Degasser snorkels, ladle lips, wellblocks, burner blocks, etc.

**CHEMICAL ANALYSIS:** Approximate % by weight

<b>Chemistry</b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>CaO</b>	<b>Alk</b>
Percentage	96	0.1	0.1	3.0	0.1

The optimum amount of water to be added before casting is 6.0 - 7.0%.

**TYPICAL AS RECEIVED PROPERTIES:**

<b>Temperature</b> °F (°C)	<b>Linear Change</b> %	<b>Cold MOR</b> (psi)	<b>Cold Crushing Strength</b> (psi)	<b>Bulk Density</b> pcf (g/cc)
300 (149)	0	2250 (15)	6500 (45)	188 (3.01)
1500 (815)	-0.1	1750 (12)	5500 (38)	188 (3.01)
2800 (1538)	0.2	4750 (33)	-	185 (2.96)
3000 (1649)	-0.1	4750 (33)	-	-

Material installed weight, lb/ft (g/cc): 185 (2.96)  
 Recommended water range, % 5.5 - 6.0  
 Service temperature °F (°C) 3300 (1815)  
 Maximum grain size 4 mesh

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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