

**Fedcast 60**


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**DESCRIPTION:** Fedcast 60 is a low-moisture castable made from high-purity aluminas

**USES INCLUDE:** Ladle safety linings, reheat furnace walls/hearth, tundish linings and furniture

**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>CaO</b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>MgO</b>	<b>Alk</b>	<b>TiO<sub>2</sub></b>
Percentage	60	35.8	1.3	0.9	0.1	0.1	1.6

**TYPICAL AS RECEIVED PROPERTIES:**

<b>Temperature</b> °F (°C)	<b>Bulk Density</b> Pcf (g/cc)	<b>Cold MOR</b> PSI (Mpa)	<b>Linear Change</b> %	<b>CCS</b> PSI (Mpa)
300 (149)	159 (2.55)	2500 (17)	0.0 to -0.2	8500 (58)
2200 (1204)	160 (2.56)	4000 (75)	-0.1 to 0.3	14000 (96)
2800 (1538)	156 (2.5)	4000 (75)	1.2 to 1.4	15000 (103)
3000(1649)	156 (2.5)	2750(19)	-0.2 to -0.7	12500 (86)

Service temperature °F (°C)	3000 (1649)
Material installed weight, pcf (g/cc)	160 (2.56)
Recommended water range	Self flow or pump 4.8 – 5.5% Vibrated 4.0 – 4.7%
Maximum grain size	3 mesh (tyler)

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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