



TECHNICAL DATA SHEET

BAUXCAST 7 is a Mullite and bauxite based, low cement, high alumina castable. It was designed for use in areas where high strengths, excellent abrasion resistance, volume stability and thermal shock resistance are required

SERVICE TEMPERATURE: 3100°F  
MATERIAL REQUIRED FOR ESTIMATING: 162 lbs./cu.ft.  
CASTING WATER: 5.5 - 6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Alkalies	P <sub>2</sub> O <sub>5</sub>	Other
70	25	0.8	1.5	0.1	1.9	0.4	0.1	2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,218	9,400	Nil
1500	2,186	8,300	-0.5
2000	2,167	9,900	-0.2
2500	2,530	14,600	-0.2

HOT MOR @1500°F (Orton): 3,790psi

ABRASION LOSS After 1500°F: <7 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)  
500 lb. Bags, 4 per Pallet (2,000 lbs.)  
2000 lb. Bags, 1 per Pallet (2,000 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.