



ABLE CAST 3000

ABLE CAST 3000 is a Low Iron, High Purity, 3000 F castable. It is designed to successfully withstand high sulphur fuel, reducing atmospheres, carbon deposition, Erosion and Abrasion. Able Cast 3000 can be used for casting or troweling.

Maximum Recommended Use Limit	3000°F
Meltion Point	3290 F
Bulk Density after drying lb./ft. ³	140 - 145 lbs

<u>TEST TEMPERATURE</u>	<u>MODULUS OF RUPTURE, PSI</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
200°F	550-600	1800-2000	-0.1
1500°F	400-500	1200-1300	-0.1
2000°F	300-400	900-1100	-0.3
2250°F	600-750	2200-2400	-0.3
2550°F	1050-1250	3300-3800	+0.2
2732°F	2000-2150	4350-5100	+0.2
2910°F	1800-2000	3900-4600	+0.6

CHEMICAL ANALYSIS

Al ₂ O ₃	60.17
SiO ₂	30.89
Fe ₂ O ₃	1.36
TiO ₂	1.76
CaO	3.06
Mgo	0.13
Alkalies	0.86
Ign. Loss	0.86

THERMAL CONDUCTIVITY

BTU/SQ.FT./HR./IN./°F

Mean Temp.	"K"
500°F	9.10
1000°F	8.62
1500°F	8.45
2000°F	8.41
2300°F	8.33

Water required for mixing (by weight)	10 - 13.0%
Quarts of water per 75 lb. Bag	3.5 - 5.