

PRODUCT  
**SAVAGE 3000-A**

HIGH ALUMINA, HIGH STRENGTH CASTABLE  
MEDIUM AGGREGATE

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
ASTM C-401	Class E
Lbs. Required Dry Mix Per Cu. Ft.	135 lbs.
% Water by Weight Required for Casting	Approx. 10%
Bulk Density After Drying at 230°F	141 lbs./cu.ft.
Cold Crushing Strength After Drying at 230°F	3750 - 4400 psi
MOR After Drying at 230°F	650 - 900 psi

Permanent Linear Change

After Drying at 230°F	Negligible
After Heating to 1500°F	-0.0 to 0.1%
After Heating to 2910°F	+0.4 to 0.8%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	39.8%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	53.1%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.8%
Lime	[CaO]	3.8%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	7.6
At 1500°F	7.5
At 2500°F	7.9

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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