

PRODUCT  
**SAVAGE SUPER RAM**  
SUPER DUTY PLASTIC

# REFRACTORIES

## TECHNICAL DATA

### PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
ASTM C-673	Super Duty Class
Lbs. Required Per Cu. Ft.	150 lbs.
Bulk Density After Drying at 230°F	140 lbs./cu.ft.
MOR After Heating to 1550°F	350 psi
MOR After Heating to 2550°F	1000 psi
MOR After Heating to 2910°F	1800 psi

### Permanent Linear Change

After Drying at 230°F	-0.5 to 1.1%
After Heating to 1500°F	Negligible
After Heating to 2910°F	+1.0 to 2.0%

### CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	48.9%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	45.7%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.0%
Titania	[TiO <sub>2</sub> ]	1.9%
Alkalies	[Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O]	.66%

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

At 500°F	4.5
At 1500°F	5.5
At 2000°F	6.0

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

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