

**SAVAGE RAM 70 AS**  
**AIR SETTING HIGH ALUMINA PLASTIC**

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
ASTM C-673	70% Alumina Class
Lbs. Required per Cu. Ft.	158 lbs.
Bulk Density After Drying at 230°F	155 lbs./cu.ft.

Modulus of Rupture

After Heating to 1500°F	350 – 700 psi
After Heating to 2550°F	500 – 800 psi
After Heating to 2910°F	1000 – 1600 psi

Cold Crushing Strength

After 1500°F	1000 – 1600 psi
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Permanent Linear Change

After Drying at 230°F	0.0 to -0.8%
After Heating to 1500°F	-0.1 to -0.5%
After Heating to 2910°F	+0.5 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	25.4%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	71.5%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	1.0%
Titania	[TiO <sub>2</sub> ]	1.1%
Alkalies and trace minerals		1.0%

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

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