

SAVAGE RAM 80 AS
AIR SETTING HIGH ALUMINA PLASTIC

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
ASTM C-673	80% Alumina Class
Lbs. Required per Cu. Ft.	172 lbs.
Bulk Density after Drying at 230°F	158 lbs./cu.ft.
<u>Modulus of Rupture</u>	
HMOR at 1500°F	800 – 1300 psi
HMOR at 2550°F	300 – 600 psi
<u>Cold Crushing Strength</u>	
After 1500°F	1900 – 2600 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	-1.6 to -2.2%
After Heating to 1500°F	-0.0 to -0.3%
After Heating to 2550°F	+1.1 to +1.7%
After Heating to 2700°F	+1.0 to +1.7%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	16.5%
Alumina	[Al ₂ O ₃]	79.0%
Iron Oxide	[Fe ₂ O ₃]	1.4%
Titania	[TiO ₂]	2.1%
Alkalies and trace minerals		1.0%

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

1130

