

PRODUCT
SAVAGE RAM 90

PHOSPHATE BONDED
EXTRA HIGH ALUMINA PLASTIC

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3350°F - 1843°C
ASTM C-673	90% Alumina Class
Lbs. Required Per Cu. Ft.	180 lbs.
Bulk Density After Drying at 230°F	172 lbs./cu.ft.
MOR After Heating to 1500°F	2250 psi
MOR After Heating to 2550°F	2600 psi
MOR After Heating to 2910°F	2750 psi

Permanent Linear Change

After Drying at 230°F	0.0 to -0.3%
After Heating to 1500°F	-0.1 to -0.5%
After Heating to 2910°F	-0.2 to -0.6%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	7.6%
Alumina	[Al ₂ O ₃]	89.0%
Iron Oxide	[Fe ₂ O ₃]	0.4%
Phosphorous Pentoxide	[P ₂ O ₅]	3.0%

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

At 500°F	19.7
At 1500°F	14.7
At 2000°F	15.6

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

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