

PRODUCT
SAVAGE RAM 55

PHOSPHATE BONDED SUPER DUTY PLASTIC

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3050°F - 1677°C
ASTM C-673	Super Duty Class
Lbs. Required Per Cu. Ft.	155 lbs.
Bulk Density After Drying at 230°F	152 lbs./cu.ft.
MOR After Heating to 1500°F	805 psi
MOR After Heating to 2550°F	1640 psi
MOR After Heating to 2910°F	1950 psi

Permanent Linear Change

After Drying at 230°F	0.0 to -0.2%
After Heating to 1500°F	-0.1 to -0.3%
After Heating to 2910°F	0.0 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	37.0%
Alumina	[Al ₂ O ₃]	56.0%
Iron Oxide	[Fe ₂ O ₃]	1.0%
Phosphorous Pentoxide	[P ₂ O ₅]	3.0%

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

At 500°F	5.0
At 1500°F	6.0
At 2000°F	7.0

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

6803



MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •