

SAVAGE RAM 70-M BLUE
PHOSPHATE BONDED MULLITE PLASTIC

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F (1760°C)
Lbs. Required per Cu. Ft.	166 lbs.
Bulk Density After Drying at 230°F	159 lbs/cu.ft.
MOR After Heating to 1500°F	1900 – 2500 psi
MOR After Heating to 2550°F	2000 – 2400 psi
Cold Crushing Strength After 1500°F	4000 – 8000 psi

Permanent Linear Change

After Drying at 230°F	0.0 to -0.5%
After Heating to 1500°F	-0.1 to -0.3%
After Heating to 2910°F	-0.0 to +1.5%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	21.7%
Alumina	[Al ₂ O ₃]	70.8%
Iron Oxide	[Fe ₂ O ₃]	0.8%
Phosphorous Pentoxide	[P ₂ O ₅]	4.6%
Titania	[TiO ₂]	1.1%
Trace Minerals		1.0%

THERMAL CONDUCTIVITY (BTU/sq.ft./hr/°F/in.)

At 500°F	10.0
At 1500°F	9.1
At 2000°F	9.0

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

9060

