

## SiC Ram 80

**SiC Ram 80** is a silicon carbide based plastic refractory for use in a variety of high temperature applications.

<b>Maximum Service Temperature</b>	2800° F
<b>Weight Requirement:</b>	144 - 153 lbs/cu.ft.
<b>Cold Crushing Strength</b>	
After Heating to 1500°F	2000 - 5000 lbs/sq.in
<b>Modulus of Rupture</b>	
After Heating to 1500°F	400 - 900 lbs/sq.in
<b>Linear Change, %</b>	
Green to 230°F	-1.0 to -1.7
Dried to 1500°F	-0.1 to -0.4

### TYPICAL CHEMICAL ANALYSIS, %

Al <sub>2</sub> O <sub>3</sub>	15.4
SiC	74.6
SiO <sub>2</sub>	8.5
TiO <sub>2</sub>	0.5
Fe <sub>2</sub> O <sub>3</sub>	0.4
CaO	0.1
MgO	0.2
Alkalies	0.2

**SiC Ram 80** is available sliced, packaged in 55<sup>#</sup> or 80<sup>#</sup> poly lined, corrugated boxes.

### NOTE: PLASTICS MUST BE STORED IN COOL PLACE

Data shown are average results of standard ASTM testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.