

## SPARCAST 110FF

**SPARCAST 110FF** is a high strength, abrasion resistant, free flow castable that is designed to flow into place without vibration. **SPARCAST 110FF** is designed for applications that require an abrasion resistant product with good insulating properties.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
Bulk Density: 230°F	119 - 124 lbs/cu.ft
: 1500°F	107 - 112 lbs/cu.ft
Modulus of Rupture	
After Heating to 1500°F	600 - 1000 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	9000 - 13000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.3
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 14 cc (Typical: 10 – 12 cc)
<u>Thermal Conductivity</u>	<u>BTU/ft<sup>2</sup>/hr/°F/in</u>
500°F	6.3
1000°F	6.0
1500°F	5.5
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	46.6
SiO <sub>2</sub>	38.6
Fe <sub>2</sub> O <sub>3</sub>	1.5

**SPARCAST 110FF** is available in 50# bags, 1500# and 2000# bulk bags palletized and shrink-wrapped.

**NOTE: CASTABLE MUST BE STORED IN DRY 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.