

**SPARKLEEN P**

**SPARKLEEN P** is an alumina – silicon carbide, ultra low moisture, specialty refractory that is designed to be installed by vibration casting, pumpcasting or shotcreting. In service offering unsurpassed non-wetting properties, volume stability and spall resistance while maintaining an optimum heat transfer profile across the hard face structure.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2800°F ( Oxidizing Environment ) 3000°F ( Reducing Environment )
Mix Water Required (pumpable consistency)	4.40% - 5.50% by weight
Dry Castable requirement	178 lbs/ft <sup>3</sup>
Modulus of Rupture After Heating to 1500°F	2,700 lbs/sq in
Cold Crushing Strength After Heating to 1500°F	15,000 lbs/sq in
Abrasion Resistance (ASTM C-704)	Typical: 4 to 6 cc loss
Linear Change, % After Heating to 1500°F	-0.0 to -0.4 %
Thermal Conductivity: (BTU/ft <sup>2</sup> /Hr/°F/in.)	
At 500°F	23.0
1500°F	21.4
At 1800°F	21.1
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	61.9
SiO <sub>2</sub>	8.3
CaO	1.3
SiC	25.7
TiO <sub>2</sub>	1.7
Fe <sub>2</sub> O <sub>3</sub>	0.8
Alkalies	0.3

**SPARKLEEN P** is available in 55<sup>#</sup> bags and 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.