

SPARCAST 110P

SPARCAST 110P is a high strength, medium weight, abrasion resistant castable designed to be installed by pumping. It is used for applications where high strength and good insulation are needed.

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F	
Dry Castable Requirement	111 - 116 lbs./cu.ft.	
Bulk Density (at 230°F)	123 - 129 lbs./cu.ft.	
(at 1500°F)	111 - 116 lbs./cu.ft.	
Modulus of Rupture	500 - 1000 lbs/sq.in.	
After Heating to 1500°F		
Cold Crushing Strength	8000 - 13000 lbs/sq.in.	
After Heating to 1500°F		
Linear Change, %	-0.1 to -0.4%	
After Heating to 1500°F	(Typical: -0.10 to -0.30%)	
Erosion Resistance (ASTM C704)	Less than 14 cc	
After Heating to 1500°F	(Typical: 9 – 12 cc loss)	
Thermal Conductivity	BTU-in/ft ² /hr/°F	BTU-in/ft ² /hr/°F
	(Hot Wire Method)	(calculated calorimeter results per API 935)
500°F	6.5	5.3
1000°F	6.2	5.1
1500°F	5.7	4.7
Typical Chemical Analysis, %		
Al ₂ O ₃	50.5	
SiO ₂	34.4	
CaO	11.4	
TiO ₂	1.0	
Fe ₂ O ₃	1.2	
MgO	0.5	
Alkalies	1.0	

SPARCAST 110P is available in 55[#] bags and bulk bags, palletized and shrink-wrapped.

Store in a dry place.

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