

SPARCON AZS-P

SPARCON AZS-P is an alumina-zirconia-silica, low-cement castable designed to be installed by vibration casting, pumpcasting and shotcreting. It is very resistant to alkali and acid attack. Data shown below is at pumpable consistency.

Maximum Service Temperature	2800°F
Dry Castable Requirement	180 - 186 lbs./cu.ft.
Water Requirement	<u>pumpable consistency</u> 5.50 – 6.00%

Properties shown below are at pumpable consistency

Modulus of Rupture	
After Heating to 1500°F	2000 -2500 lbs/sq.in
After Heating to 2300°F	3800 -4400 lbs/sq.in
Cold Crushing Strength	
After Heating to 1500°F	10000-14000 lbs/sq.in
After Heating to 2300°F	10000-15000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	+0.1 to -0.4
After Heating to 2300°F	+0.5 to +0.9
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	less than 6 cc loss (Typical: 4.0 – 4.5 cc loss)
Hot Modulus of Rupture	
At 2000°F (typical average)	3407 lbs/sq.in.
Typical Chemical Analysis, %	
Al ₂ O ₃	43.8
SiO ₂	21.6
ZrO ₂	25.9
SiC	5.0
CaO	1.8
TiO ₂	0.3
Fe ₂ O ₃	0.3
MgO	0.1
Alkalies	1.2

SPARCON AZS-P is available in 50[#] bags and bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN 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.