

SPARPLAS 90 HS

SPARPLAS 90 HS is an extra high alumina, phosphate-bonded plastic refractory for use in iron, steel and industrial applications where extreme heat and severe conditions are present.

Maximum Service Temperature	3300°F
Weight Requirement	181-187 lbs./cu.ft.
Cold Crushing Strength	
After Heating to 1500°F	3500-6000 lbs/sq.in
After Heating to 2500°F	4500-8000 lbs/sq.in
Modulus of Rupture	
After Heating to 1500°F	700-1100 lbs/sq.in
After Heating to 2500°F	1400-1900 lbs/sq.in
Linear Change, %	
Green to 230°F	-1.2 to -1.6
Dried to 1500°F	-0.1 to -0.4
Dried to 2500°F	-0.2 to -0.6

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃ + P ₂ O ₅	97.3
SiO ₂	2.1
Fe ₂ O ₃	0.1
CaO	0.1
MgO	0.1

The above are average results and do not constitute a specification.

SPARPLAS 90 HS is available in 2" or 3" slices, packaged in 80# polylined corrugated boxes, 3840# per pallet.

NOTE: PLASTICS MUST BE STORED IN COOL 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.