



## Fedplas ACS

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**DESCRIPTION:** High alumina refractory containing silicon carbide and graphite. It exhibits excellent resistance to hot metal and slag erosion.

**USES INCLUDE:** Blast furnace - troughs, sidewalls, bottoms, skimmers, and iron dams.  
Iron Cupola - well, breast, taphole, slag separator, and runners.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al <sub>2</sub> O <sub>3</sub>	62.5%
SiC	13.5%
SiO <sub>2</sub>	11.7%
C	6.0%
P <sub>2</sub> O <sub>5</sub>	4.2%
TiO <sub>2</sub>	1.8%
Others	0.3%

### TYPICAL AS RECEIVED PROPERTIES:

Linear Change %:	
@ 110° C (230° F)	0.0
@ 1480° C (2700° F)	0.4
Materials Required for Estimating:	
Pcf (g/cc)	170 (2.72)
MOR psi (MPa):	
After drying to 110°C (230°F)	3 (450)
After heat 1480°C (2700°F)	10 (1450)
Reducing atmosphere	
Service Temperature ° C (° F):	1650 (3000)

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally and as a function of size and shape. This form is not intended to be used for purposes of specification; it is informational only.

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