



Fedplas ACS

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 ₂ O ₃	62.5%
SiC	13.5%
SiO ₂	11.7%
C	6.0%
P ₂ O ₅	4.2%
TiO ₂	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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