



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 & iron dams. Iron Cupola - well, breast, taphole, slag separator & runners.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	62.5 %
SiC	13.5 %
SiO ₂	11.7 %
C	6.0 %
TiO ₂	1.8 %
P ₂ O ₅	4.2 %
MgO	-
Others	0.3 %

TYPICAL AS RECEIVED PROPERTIES:

Service Temperature: °F(°C)	3000 (1650)
Material required for estimating, pcf (g/cc)	170 (2.72)
Modulus of Rupture, psi (MPa)	
after drying to 230°F (110°C)	450 (3)
after heating to 2700°F (1480°C) (reducing atmosphere)	1450 (10)
Linear Change (%)	
after heating to 230°F (110°C)	0.0
after heating to 2700°F (1480°C)	0.4

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.

Version 20.11
