

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)

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

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