



## Fedplas 85

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**DESCRIPTION:** Phos bonded alumina plastic of various consistencies to suit the application.

**USES INCLUDE:** Spouts.  
Runners.  
Ladle lips.  
Gaps and joints in linings of all kinds.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate % -- calcined basis)

Al <sub>2</sub> O <sub>3</sub>	85.2%
SiO <sub>2</sub>	8.1%
P <sub>2</sub> O <sub>5</sub>	3.5%
TiO <sub>2</sub>	1.6%
Fe <sub>2</sub> O <sub>3</sub>	1.1%
CaO	0.3%
MgO	0.2%

### TYPICAL AS RECEIVED PROPERTIES:

Cold Crushing Strength psi (MPa):	
@ 954° C (1750° F)	6000 (41)
Linear Change %:	
@ 954° C (1750° F)	- 0.1 to - 0.3
Maximum Service Temp ° C (° F):	1704 (3100)
MOR psi (MPa):	
@ 954° C (1750° F)	2200 (15)
Weight Requirement lb/ft <sup>3</sup> (g/cc):	180 (2.88)

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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