

FEDPLAS 85

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)

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

TYPICAL AS RECEIVED PROPERTIES:

Weight Requirement, lb/ft ³ (g/cc)	180 (2.88)
Maximum Service Temperature, °F (°C)	3100 (1704)
Cold Crushing Strength: psi (Mpa) After heating to 1750°F (954°C)	6000 (41)
Modulus of Rupture: psi (Mpa) After heating to 1750°F (954°C)	2200 (15)
Linear Change (%): After heating to 1750°F (954°C)	-0.1 to -0.3

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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