



Fedram 42

DESCRIPTION: Clay-based ramming mix for quick repairs of refractory linings.

USES INCLUDE: EAF spouts.
Tundish safety linings.
Ladle safety linings.
Reheat furnaces.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

SiO ₂	53.5%
Al ₂ O ₃	42.6%
TiO ₂	1.6%
Alkalis	1.17%
Fe ₂ O ₃	0.97%
CaO	0.1%
MgO	0.05%

TYPICAL AS RECEIVED PROPERTIES:

	Bulk Density pcf (g/cc)	Cold MOR psi (MPa)	Total Linear Change %
104°C (220°F)	131 (2.1)	1250 (8)	- 0.45
815°C (1500°F)	131 (2.1)	1600 (11)	- 0.25
1370°C (2500°F)	133 (2.13)	1850 (13)	+ 1.4
1538°C (2800°F)	137 (2.19)	3750 (25)	- 1.45

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