



PRODUCT DATA

Brand Name: REF RAM 850 HS FG

Description: REF RAM 850 HS FG is a Fine-Grained, Phosphate-Bonded 80% alumina plastic. The fine grain improves ramming characteristics and is beneficial for patching. This product is installed by conventional ramming methods.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3000°F (1650°C)

Bulk Density (pcf)

After 230°F (110°C)	174	(2.78 g/cm ³)
After 1500°F (815°C)	174	(2.78 g/cm ³)

Modulus of Rupture (psi)

After 230°F (110°C)	1300	(91 kg/cm ²)
After 1500°F (815°C)	1500	(105 kg/cm ²)
After 2500°F (1371°C)	1300	(91 kg/cm ²)

Permanent Linear Change (%)

After 1500°F (815°C)	0.0 to +0.1
After 2500°F (1371°C)	0.0 to +1.7

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	80.60
Silica (SiO ₂)	11.50
Iron Oxide (Fe ₂ O ₃)	0.80
Titania (TiO ₂)	1.90
Phosphorus Pentoxide (P ₂ O ₅)	4.60
Alkalis (Na ₂ O+K ₂ O)	0.60

Brand Code: 2378

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

03/08/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.