



PRODUCT DATA

Brand Name: REF RAM 850 LS

Description: Phosphate bonded, high alumina, highest quality matrix plastic refractory for installation as a working lining. Possesses high strength, volume stability, good workability and excellent adhesion properties. Highly resistant to abrasion, slag attack and metal penetration with excellent density

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

Maximum Service Temperature: 3200°F (1760°C)

Bulk Density (pcf)

After 250°F (121°C)	176	(2.82 g/cm ³)
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Modulus of Rupture (psi)

After 250°F (121°C)	1300	(91 kg/cm ²)
After 1500°F (815°C)	1600	(112 kg/cm ²)
After 2500°F (1371°C)	1400	(98 kg/cm ²)

Permanent Linear Change (%)

After 250°F (121°C)	-0.2
After 1000°F (538°C)	-0.2
After 2500°F (1371°C)	+0.6

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	81.5
Silica (SiO ₂)	11.3
Iron Oxide (Fe ₂ O ₃)	0.8
Titania (TiO ₂)	2.0
Phosphorus Pentoxide (P ₂ O ₅)	3.8
Other	1.6

Brand Code: 2419

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.

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