



PRODUCT DATA

Brand Name: **RAMLOCK 45**
Description: High Strength Ramming Mix

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

Maximum Service Temperature: 3000°F (1649°C)

	Ramming	
<u>Bulk Density (pcf)</u>		
After 2300°F (1260°C)	139	(2.23 g/cm ³)
After 2800°F (1538°C)	134	(2.15 g/cm ³)
<u>Modulus of Rupture (psi)</u>		
After 2300°F (1260°C)	2000	(140 kg/cm ²)
After 2800°F (1538°C)	3000	(210 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 2300°F (1260°C)	0.2	
After 2800°F (1538°C)	0.2	
<u>Typical Chemical Analysis (%)</u> (Calcined Basis)		
Alumina (Al ₂ O ₃)	46.7	
Silica (SiO ₂)	49.6	
Magnesia (MgO)	0.1	
Iron Oxide (Fe ₂ O ₃)	1.1	
Titania (TiO ₂)	1.7	
Lime (CaO)	0.1	
Alkalis (Na ₂ O+K ₂ O)	0.7	

Brand Code: 3111

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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