



PRODUCT DATA

Brand Name: PERMANENTE® 165 AF RAM MIX

Description: PERMANENTE® 165-AF RAM MIX is a fine sized high MgO material intended for leveling ladle bottoms and for backfill behind working linings in ladles, AOD degassers and other metallurgical vessels. It can be rammed or cast.

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

Typical Water Required for Mixing (by weight) :
Ram Casting 3.25%

	<u>Ram Cast Data</u>	
<u>Bulk Density (pcf)</u>		
Dried at 300°F (150°C)	182	(2.91 g/cm ³)
Fired to 3000°F (1650°C)	182	(2.91 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
Dried at 300°F (150°C)	6500	(470 kg/cm ²)
Fired to 3000°F (1650°C)	7500	(530 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 3000°F (1650°C)	-0.1	

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	94.8
Silica (SiO ₂)	2.0
Iron Oxide (Fe ₂ O ₃)	0.9
Alumina (Al ₂ O ₃)	0.9
Lime (CaO)	1.4

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 1011

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.

2/27/17 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.