



PRODUCT DATA

Brand Name: RESCOMAG™ 90PC

Description: RESCOMAG 90PC is a unique, pumpable, 90% MgO castable containing a dead-burned magnesite aggregate and can be vibration cast, pumped, or shotcreted. This basic castable features excellent resistance to basic slags.

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) :
 Vibration Casting 5.0%
 Pump Casting 6.0%

	Vibration Cast Data		Pump Cast Data	
<u>Bulk Density (pcf)</u>				
After 300°F (149°C)	182	(2.91 g/cm ³)	182	(2.91 g/cm ³)
After 2500°F (1371°C)	182	(2.91 g/cm ³)	189	(3.03 g/cm ³)
<u>Cold Crushing Strength (psi)</u>				
After 300°F (149°C)	16000	(1120 kg/cm ²)	5000	(350 kg/cm ²)
After 2500°F (1371°C)	5000	(350 kg/cm ²)	2000	(140 kg/cm ²)
<u>Permanent Linear Change (%)</u>				
After 2500°F (1371°C)	-0.2 to +0.2		-0.3 to 0.0	

Typical Chemical Analysis (%)
(Calcined Basis)

Magnesia (MgO)	89.3
Alumina (Al ₂ O ₃)	0.7
Silica (SiO ₂)	4.3
Lime (CaO)	1.7
Iron Oxide (Fe ₂ O ₃)	0.9
Others	3.1

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

Brand Code: 7179

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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03/23/17 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.

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