



PRODUCT DATA

Brand Name: RESCOCAST 9LI PC

Description: RESCOCAST 9 LI PC combines the qualities of an insulating and general duty castable. High strength and good protection against heat loss have made this product an ideal choice for FCC regenerator and reactor walls. RESCOCAST 9 LI PC can be installed by both pumpcasting and wet shotcreting.

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

Maximum Service Temperature: 2600°F (1427°C)

Typical Water Required for Mixing (by weight) :
Pump Cast 23%
Vibration Cast 23%

<u>Bulk Density (pcf)</u>	<u>Pump Cast Data</u>	
After 220°F (105°C)	95	(1.52 g/cm ³)
After 1500°F (815°C)	93	(1.49 g/cm ³)

<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	800	(56 kg/cm ²)

<u>Modulus of Rupture (psi)</u>		
After 1500°F (815°C)	175	(11.5 kg/cm ²)

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
Mean Temperature		
500°F (260°C)	2.35	0.34
1000°F (540°C)	2.50	0.36
1500°F (815°C)	2.90	0.42

<u>Permanent Linear Change (%)</u>	
After 1500°F (815°C)	-0.3 to 0.0

<u>Apparent Porosity (%)</u>	
After 1000°F (540°C)	43.0

<u>Typical Chemical Analysis (%)</u>	
(Calcined Basis)	
Alumina (Al ₂ O ₃)	39.7
Silica (SiO ₂)	45.6
Iron Oxide (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	0.9
Lime (CaO)	12.0
Magnesia (MgO)	Trace
Alkalies (Na ₂ O+K ₂ O)	0.8

Standard Packaging: 50 lb bag. 50 bags per pallet. Bulk packaging available.

Brand Code: 0471

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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