

RESCOCAST 9PC

RESCOCAST 9PC 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 the gunning of FCC regenerator and reactor walls. **RESCOCAST 9PC** has been used throughout the world for this and other critical applications.

Typical Pump Cast Data

Maximum Service Temperature: 1370°C

Bulk Density:

After 220°F (105°C) 90 - 100 lbs/ft³ (1440 - 1600 kg/m³)
 After 1500°F (815°C) 83 - 93 lbs/ft³ (1330 - 1490 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C) 500- 900 psi (35-63 kg/cm²)
 After 2000°F (1095°C) 600- 900 psi (42-63 kg/cm²)
 After 2600°F (1427°C) 700-1000 psi (49-70 kg/cm²)

Modulus Of Rupture:

After 1500°F (815°C) 100-250 psi (7-18 kg/cm²)
 After 2000°F (1095°C) 100-250 psi (7-18 kg/cm²)
 After 2600°F (1427°C) 200-400 psi (14-28 kg/cm²)

Permanent Linear Change(%):

Green to 110°C 0.0 to -0.1
 110°C (220°F) to 1500°F (815°C) 0.0 to -0.3

Porosity(%):

43

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	2.50	0.36
1500°F (815°C)	2.90	0.42
2000°F (1095°C)	3.35	0.48

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	Alkalies	TiO ₂
37.1	40.1	6.9	11.7	0.9	2.5	0.7

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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 expressed or implied warranties based on this sheet. 01/08/13 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