



Insulating Castables

Cast Data

RESCOCAST 9 LI PC

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.

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

Bulk Density:

After 220°F (105°C) 95 pcf (1520 kg/m³)
 After 1500°F (815°C) 93 pcf (1488 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C) 600-1000 psi (42-70 kg/cm²)

Modulus Of Rupture:

After 1500°F (815°C) 100-250 psi (7-18 kg/cm²)

Permanent Linear Change (%):

After 1500°F (815°C) 0.0 to -0.3

Porosity (%):

After 1000°F (540°C); 43%

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	2.35	0.34
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
39.7	45.6	1.0	12.0	Tr	0.8	0.9

Standard Packaging: 50-50 lb. bags per pallet (bulk packaging available)

The properties shown on this data sheet represent typical average results generated 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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