

RESCOCAST 3A PC

RESCOCAST 3A PC a high performance Low Iron insulating castable designed primarily where reducing atmospheres may be present. Its pumpcast density is approximately 60 lbs/ft³ and offers superior strength characteristics, as well as a high strength-to-insulation ratio. This material can be used as an original lining material or as a replacement for refractory ceramic fiber. As well as being Pump Cast behind formwork, Rescocast 3A PC can be Shotcreted using Rescos SC2 Nozzle additive.

Typical Pump Cast Data

Maximum Service Temperature: 1370°C

Bulk Density:

1500°F (815°C) 56 - 62 lbs/ft³ (897 - 993 kg/m³)

Cold Crushing Strength:

1500°F (815°C) 300-450 psi (21-32 kg/cm²)
 2000°F (1095°C) 300-450 psi (21-32 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 50 - 150 psi (4-11 kg/cm²)
 2000°F (1095°C) 100-200 psi (7-14 kg/cm²)

Permanent Linear Change(%):

1500°F (815°C) -0.1 to -0.9
 2500°F (1370°C) -0.8 to -1.4

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	1.70	0.24
1000°F (540°C)	1.65	0.23
1500°F (815°C)	1.80	0.26

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
51.3	34.8	0.9	9.5	0.4	0.7	1.4

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