

RESCOCAST 3-35PC

RESCOCAST 3-35PC is an insulating castable with an operating temperature up to 1095°C, and a good strength to density ratio. It can be used as an insulating material in bi-wall linings and also as a single component lining, where erosive conditions are not too severe. Unlike loose fill or soft insulating block, **RESCOCAST 3-35PC** will not settle or disintegrate under adverse conditions. Rescocast 3-35PC is designed for Pumpcasting

Typical Pump Cast Data

<u>Max. Service Temp:</u>	2000°F (1095°C)
<u>Bulk Density:</u>	36 lbs/ft ³ (570 kg/m ³)
<u>Cold Crushing Strength:</u>	
1500°F (815°C)	75-200 psi (5-14 kg/cm ²)
2000°F (1095°C)	75-200 psi (5-14 kg/cm ²)
<u>Permanent Linear Change(%):</u>	
1000°F (540°C)	-0.5 to -1.0
1500°F (815°C)	-0.8 to -1.5
2000°F (1095°C)	-1.0 to -2.0

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	1.19	0.17
1000°F (540°C)	1.12	0.16
1500°F (815°C)	1.26	0.18

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
29.8	33.3	8.8	18.4	2.8	2.0	2.4

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