

Vibratables

Product Data

VIBROCAST 70SCPC

VIBROCAST 70SCPC is a SiC castable that uses **low cement** binder technology and can be installed by vibrate cast, pump cast or wet shotcrete methods. Low porosity, excellent abrasion resistance and high heat transfer value make this product an excellent choice for the tube walls in the combustion zones of power generating units by reducing surface slag and alkali build-up.

Maximum Service Temperature: 2700°F (1480°C)

Bulk Density:

220°F (105°C)	2530 - 2630 kg/m ³
1700°F (927°C)	2450 - 2550 kg/m ³

Cold Crushing Strength:

1700°F (927°C)	700 - 1200 kg/cm ²)
2000°F (1095°C)	700 - 1200 kg/cm ²)

Modulus of Rupture:

1700°F (927°C)	161 - 231 kg/cm ²
2000°F (1095°C)	161 - 231 kg/cm ²

Permanent Linear Change(%):

1700°F (927°C)	-0.1 to -0.4
2000°F (1095°C)	-0.1 to -0.4

Erosion Loss:

1700°F (927°C)	Less than 8 cc (Typical 3 to 5 cc)
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Conductivity or “K” Factor:

Mean Temp.	W/mK
1000°F (540°C)	8.9
1500°F (815°C)	9.5

Typical Chemical Analysis(%):

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
69.10	15.6	12.0	0.16	0.1	1.44	0.2

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