

Vibratables

Product Data

VIBROCAST 70SC

VIBROCAST 70SC is a 70% Silicon Carbide, low cement castable designed for Vibration casting. **VIBROCAST 70SC** has excellent strength, alkali and abrasion resistance.

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

Bulk Density:

Dried to 110°C (220°F)	2530 - 2630 kg/m ³	(158 – 164 lbs/ft ³)
Fired to 815°C (1500°F)	2450 - 2550 kg/m ³	(153 – 159 lbs/ft ³)

Cold Crushing Strength:

Fired to 815°C (1500°F) 690 - 965 kg/cm² (10000 – 14000 psi)

Modulus of Rupture:

Fired to 815°C (1500°F) 165 - 230 kg/cm² (2390 – 3330 psi)

Erosion Loss:

Fired to 815°C (1500°F) Less than 9 cc
(Typical loss 4-6 cc)

Permanent Linear Change(%):

110°C to 815°C (1500°F) -0.1 to -0.3 %

Conductivity or “K” Factor:

Mean Temp.	W/mK	BTU/ft ² /HR/°F/in
540°C (1000°F)	7.2	50
649°C (1200°F)	7.7	54
815°C (1500°F)	8.2	57

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	SiC	CaO	Alkalies
13.3	14.8	0.2	69.1	1.5	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