

# Vibratables

## Product Data

### VIBROCAST 90SCHP

**VIBROCAST 90SCHP** is a 90% Silicon Carbide, low cement castable designed for Hand Packing / Ramming. **VIBROCAST 90SCHP** has good strength, high Thermal Conductivity, and is alkali resistant.

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

**Bulk Density:**

Dried to 110°C (220°F)	2380 - 2480 kg/m <sup>3</sup>	(149 – 155 lbs/ft <sup>3</sup> )
Fired to 815°C (1500°F)	2350 - 2450 kg/m <sup>3</sup>	(147 – 153 lbs/ft <sup>3</sup> )

**Cold Crushing Strength:**

Fired to 815°C (1500°F) 275 - 552 kg/cm<sup>2</sup> (4000 – 8000 psi)

**Modulus of Rupture:**

Fired to 815°C (1500°F) 69 - 121 kg/cm<sup>2</sup> (1000 – 1750 psi)

**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 <sup>2</sup> /HR/°F/in
815°C	8.11	56.2

**Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiC	CaO	Alkalies
3.20	5.72	0.12	89.0	1.2	0.06

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