



Vibratables

Product Data

VIBROCAST 56SCHP

VIBROCAST 56SCHP is a SiC castable that uses **low cement** binder technology. Its low porosity, excellent abrasion resistance and high heat transfer value make this product an excellent choice for the combustion zones of **POWER GENERATION** units and for the riser lines and preheater sections of **CEMENT PLANTS**. The high heat transfer characteristic of the SiC reduces surface slagging and alkali build-up, thereby, improving the operating efficiency of your unit. **Vibrocast 56SCHP** is best applied by hand packing.

Maximum Service Temperature: 2700°F (1482°C)

Bulk Density:

220°F (105°C)	160-165 lb/ft ³ (2560-2640 kg/m ³)
1500°F (815°C)	157-162 lb/ft ³ (2512-2592 kg/m ³)
1700°F (927°C)	155-160 lb/ft ³ (2480-2560 kg/m ³)

Porosity (%):

1700°F (927°C) 17.0%

Cold Crushing Strength:

1500°F (815°C)	10000-15000 psi (700-1050 kg/cm ²)
1700°F (927°C)	10000-15000 psi (700-1050 kg/cm ²)

Modulus of Rupture:

1500°F (815°C)	2500-3500 psi (175-245 kg/cm ²)
1700°F (927°C)	2300-3300 psi (161-231 kg/cm ²)

Permanent Linear Change(%):

1500°F (815°C)	-0.1 to -0.4
1700°F (927°C)	-0.1 to -0.4

Erosion Loss:

1500°F (815°C)	Less than 10 cc (Typical 4 cc to 6 cc)
1700°F (927°C)	(Typical 5 cc to 7 cc)

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1500°F (815°C)	38	5.48
1700°F (927°C)	40	5.77
2000°F (1095°C)	44	6.34

Typical Chemical Analysis(%):

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
56.2	19.8	21.5	0.3	0.3	1.7	0.2

Standard Packaging: 72-55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), 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.

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