

Vibratables

Product Data

VIBROCAST 55-5SC

VIBROCAST 55-5SC is a 1650°C, low-cement castable which is designed to give minimum porosity and low linear change with maximum density and high fired strengths. This material contains 5% Silicon Carbide & will withstand severe high temperature corrosive and erosive environments.

Maximum Service Temperature: 1650°C

Bulk Density:

220°F (110°C) 156 lb/ft³ (2496 kg/m³)
 1500°F (815°C) 156 lb/ft³ (2496 kg/m³)

Porosity:

1500°F (815°C) 16%

Cold Crushing Strength:

1500°F (815°C) 10000-14000 psi (700-980 kg/cm²)
 2500°F (1370°C) 15000-18000 psi (1050-1260 kg/cm²)
 2900°F (1595°C) 15000-18000 psi (1050-1260 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 2000-2400 psi (140-168 kg/cm²)
 2500°F (1370°C) 2100-2500 psi (147-175 kg/cm²)
 2900°F (1595°C) 2100-2500 psi (147-175 kg/cm²)

Permanent Linear Change(%):

1500°F (815°C) 0.0 to -0.4
 2500°F (1370°C) 0.0 to -0.3
 2900°F (1595°C) +0.4 to +0.8

Erosion Loss:

1500°F (815°C) Less than 6.0 cc

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	10.0	1.44
1500°F (815°C)	10.0	1.44
2000°F (1095°C)	10.0	1.44

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	SiC	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
57.8	32.5	4.9	1.0	1.8	1.6	0.3

Standard Packaging: 72-55 lb. bags per pallet

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