

Vibratables

Product Data

VIBROCAST 60

VIBROCAST 60 is a 1700°C, low-cement castable which is designed to give minimum porosity and low linear change with maximum density and high fired strengths. This material will withstand severe high temperature corrosive and erosive environments.

Maximum Service Temperature: 3100°F (1700°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	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
60.8	34.5	1.0	1.8	1.6	0.3

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