

Vibratables

Product Data

VIBROCAST 60B

VIBROCAST 60B 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) 160 lb/ft³ (2562 kg/m³)
 1500°F (815°C) 157 lb/ft³ (2515 kg/m³)

Porosity:

1500°F (815°C) 16%

Cold Crushing Strength:

1500°F (815°C) 8000-12000 psi (562-844 kg/cm²)
 2500°F (1370°C) 10000-15000 psi (703-1054 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)

Permanent Linear Change(%):

1500°F (815°C) 0.0 to -0.3
 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 7.0 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
60.7	32.8	1.0	1.9	2.3	0.4

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.

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