



Low Cement Castables

Cast Data

VIBROCAST 60

VIBROCAST 60 is a sixty percent alumina, mullite based, 3100°F, 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:

After 220°F (105°C) 156 lb/ft³ (2496 kg/m³)

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

Porosity:

After 1500°F (815°C) 16%

Cold Crushing Strength:

After 1500°F (815°C) 10000-14000 psi (700-980 kg/cm²)

After 2500°F (1370°C) 15000-18000 psi (1050-1260 kg/cm²)

Modulus of Rupture:

After 1500°F (815°C) 2000-2400 psi (140-168 kg/cm²)

After 2500°F (1370°C) 2100-2500 psi (147-175 kg/cm²)

Permanent Linear Change (%):

After 1500°F (815°C) 0.0 to -0.4

After 2500°F (1370°C) 0.0 to -0.3

After 2900°F (1595°C) +0.4 to +0.8

Erosion Loss:

After 1500°F (815°C) Less than 6.0 cc

Thermal 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

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/29/08 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet