



PRODUCT DATA

Brand Name: VIBROCAST 60PC

Description: VIBROCAST 60PC is a 60% alumina, mullite based, low-cement castable designed to provide low linear change and high fired strengths. This material will withstand severe high temperature corrosive and erosive environments.

Typical Water Addition for Mixing (by weight):
For Pump Casting 6.5%

Maximum Service Temperature 3100°F (1700°C)

Data based on Pump Cast Consistency

Bulk Density (pcf)

After 220°F (105°C)	156	(2496 kg/m ³)
After 1500°F (815°C)	153	(2488 kg/m ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	9,250	(648 kg/cm ²)
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Modulus of Rupture (psi)

After 1500°F (815°C)	1700	(119 kg/cm ²)
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Permanent Linear Change (%)

After 1500°F (815 °C)	0.0 to -0.3
After 2500°F (1370 °C)	-0.1 to -0.4

Erosion Loss using ASTM C-704 Method

After 1500°F (815°C), cc loss: 12 cc maximum

Thermal Conductivity or “K” Factor

Mean Temperature	BTU/ft ² /HR/°F/in	W/mK
1000°F (540 °C)	12	1.73
1500°F (815 °C)	13	1.87
2000°F (1095 °C)	14	2.02

Typical Chemical Analysis (%)

Al ₂ O ₃	60.8
SiO ₂	34.5
Fe ₂ O ₃	1.0
TiO ₂	1.8
CaO	1.6
Other	0.3

Standard Packaging: 55 lb bag; 72 bags per pallet ; bulk packaging available

The data shown are based on AVERAGE results on limited research samples and are subject to normal variation on individual tests. ASTM test procedures are used when applicable.

The data shown should not be used for specification purposes.

3/25/2009 is the date this data sheet was published. Check with your RESCO sales office to make sure you have a current data sheet, since this technical data may have changed.

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