



Low Cement Castables

Cast Data

VIBROCAST 75

VIBROCAST 75 is a high alumina, 3200°F service limit, low cement castable used in a wide variety of applications including forging furnace floors, heat treating furnace floors, crematory furnace floors, precast burner blocks, gas fired non-ferrous melting furnaces and incineration chambers. **VIBROCAST 75** should be installed using vibration casting methods

Maximum Service Temperature: 3200°F (1760°C)

Bulk Density:

After 220°F (105°C) 168 lb/ft³ (2688 kg/m³)
After 1500°F (815°C) 166 lb/ft³ (2659 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C) 10,000-13,000 psi (700- 910 kg/cm²)
After 2500°F (1370°C) 16,000-20,000 psi (1120-1400 kg/cm²)

Modulus of Rupture:

After 1500°F (815°C) 2700-3100 psi (189-217 kg/cm²)
After 2500°F (1370°C) 2800-3200 psi (196-224 kg/cm²)

Permanent Linear Change(%):

After 1500°F (815°C) -0.1 to -0.4
After 2500°F (1370°C) 0.0 to +0.2
After 2910°F (1600°C) +1.5 to +2.5

Thermal Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	15.5	2.23
1500°F (815°C)	16.0	2.30
2000°F (1095°C)	16.5	2.38

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
73.8	20.0	1.3	2.8	1.5	0.2	0.4

Standard Packaging: 72-55 lb. bags per pallet, bulk packaging available

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.

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