



Low Cement Castables

Cast Data

VIBROCAST 70

VIBROCAST 70 is a low-cement vibratable castable which is designed to give minimum porosity and linear change with maximum density and super high fired strengths.

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

Bulk Density:

After 220°F (105°C) 167 lb/ft³ (2672 kg/m³)

After 1500°F (815°C) 164 lb/ft³ (2624 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C) 8500-12500 psi (595- 875 kg/cm²)

After 2500°F (1370°C) 12000-16000 psi (840-1120 kg/cm²)

Modulus of Rupture:

After 1500°F (815°C) 2400-2800 psi (168-196 kg/cm²)

After 2500°F (1370°C) 3000-3600 psi (210-252 kg/cm²)

Permanent Linear Change (%):

After 2500°F (1370°C) -0.1 to -0.3

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)	11.0	1.59
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	Other
71.5	22.5	1.2	2.8	1.6	0.4

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.

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