



Low Cement Castables

Cast Data

VIBROCAST 70/15SCPC

VIBROCAST 70/15SCPC is a pumpable, low-cement 70% alumina castable that contains 15% silicon carbide, which is designed to give minimum porosity and linear change with maximum density and good strengths. This material will withstand the severe high temperature corrosion and erosion that are common in today's Metals Industry.

This product can be installed by vibration casting and pumpcasting methods.

Maximum Service Temperature: 2910°F (1600°C)

Bulk Density:

After 220°F (105°C): 172 lbs/ft³ (2752 kg/m³)

After 1500°F (815°C): 170 lbs/ft³ (2720 kg/m³)

Cold Crushing Strength:

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

Modulus of Rupture:

After 1500°F (815°C): 1400- 1800 psi (98-126 kg/cm²)

Permanent Linear Change (%):

After 1500°F (815°C): 0.0 to -0.3

After 2910°F (1600°C): +1.0 to +1.5

Typical Chemical Analysis (%):

Al ₂ O	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	MgO	SiC	Alkalies
68.9	11.6	1.8	0.9	1.5	0.2	14.7	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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