PRODUCT DATA

RESCO PRODUCTS, INC.

Brand Name: | **VIBROCAST 70-15 SCPC**

Description: VIBROCAST 70-15 SCPC 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.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

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

Pump Cast Data

Bulk Density (pcf)

After 220°F (105°C)	172	(2.75 g/cm^3)
After 1500°F (815°C)	170	(2.72 g/cm^3)

Cold Crushing Strength (psi)

After 1500°F (815°C)	10500	(735 kg/cm^2)

Modulus of Rupture (psi)

After 1500°F (815°C)	1600	(112 kg/cm^2)

Permanent Linear Change (%)

After 1500°F (815°C)	-0.3 to 0.0
After 2910°F (1600°C)	+1.0 to +1.5

Typical Chemical Analysis (%)
(Calcined Basis)

Alumina (Al_2O_3) …………………..	68.9
Silica (SiO_2) …………………..	11.6
Iron Oxide (Fe_2O_3) …………………..	0.9
Titania (TiO_2) …………………..	1.8
Lime (CaO) …………………..	1.5
Magnesia (MgO) …………………..	0.2
Silicon Carbide (SiC) …………………..	14.7
Alkalis (Na_2O+K_2O) …………………..	0.4

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0492