



TECHNICAL DATA

Product: **VIBROCAST 70M**

Description: Economical, low cement, 70% alumina castable with good cast density and high strengths and is formulated to withstand high temperatures
The product should be installed by vibration casting methods only.

Typical Water Addition Required for Mixing :
For Vibration Casting 5.7% (by weight)

Dry Material Required Per Cubic Foot 159 lbs

Maximum Service Temperature 3200°F (1760°C)

<u>Bulk Density (lb/ft³)</u>		<u>Std. Deviation (σ)</u>
After 220°F (105°C) :	161 (2576 kg/m³)	2.0 (32 kg/m³)
After 1500°F (815°C) :	159 (2544 kg/m³)	2.5 (40 kg/m³)

<u>Cold Crushing Strength (lb/in²)</u>		
After 220°F (105°C) :	10,600 (742 kg/cm²)	2100 (147 kg/cm²)
After 1500°F (815°C) :	11,400 (798 kg/cm²)	2100 (147 kg/cm²)

<u>Permanent Linear Change (%)</u>	
After 1500°F (815°C) :	0.0 to -0.2

<u>Typical Chemical Analysis (%)</u>	
Alumina (Al ₂ O ₃)	70.8 %
Silica (SiO ₂)	23.4
Iron Oxide (Fe ₂ O ₃)	1.3
Titania (TiO ₂)	2.6
Lime (CaO)	1.5
Others	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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