

Low Cement Castables

Product Data

VIBROCAST 70M

Vibrocast 70M is a 70% Alumina, Mullite containing low cement castable. This product is recommended for Pre-cast Shapes or new and full lining repairs using anchored construction. **Vibrocast 70M** has good strength, thermal shock and abrasion resistance.

Maximum Service Temperature: 1700°C

Bulk Density:
Fired to 815°C 2450 – 2550 kg/m³

Cold Crushing Strength:
Fired to 815°C > 600 kg/cm²
Fired to 1600°C > 800 kg/cm²

Modulus of Rupture:
Fired to 815°C > 100 kg/cm²

Erosion Loss (ASTM C704):
Fired to 815°C < 8 cc

Permanent Linear Change(%):
Green to 815°C 0.0 to -0.3

Porosity (%)
Fired to 815°C < 17%

Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	12.0	1.73
1500°F (815°C)	11.0	1.58
2000°F (1095°C)	11.0	1.58

Chemical Analysis(%):

	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO+MgO	Alkalies
Typical	69.5	23.5	1.0	2.5	1.9	0.3

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet