

Vibratables

Product Data

VIBROCAST 50PC

VIBROCAST 50PC is a pumpable, 3000°F, low-cement castable that offers excellent resistance to alkalis, sulfuric and hydrochloric acids. In addition to being pumpable, **VIBROCAST 50PC** requires substantially less vibration than standard low cement castables. Light vibration should be used to de-air the castables.

<u>Maximum Service Temperature:</u>	3000°F (1650°C)
<u>Bulk Density:</u>	
220°F (105°C)	152 lb/ft ³ (2432 kg/m ³)
1500°F (815°C)	148 lb/ft ³ (2368 kg/m ³)
<u>Porosity:</u>	15%
<u>Cold Crushing Strength:</u>	
1500°F (815°C)	9000-11000 psi (630-770 kg/cm ²)
<u>Modulus of Rupture:</u>	
1500°F (815°C)	1200-1700 psi (84-119 kg/cm ²)
<u>Permanent Linear Change(%):</u>	
1500°F (815°C)	0.0 to -0.3
<u>Erosion Loss:</u>	
1500°F (815°C)	Less than 10 cc (Typical Loss: 7 - 9 cc)

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	9.0	1.30
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	MgO	Other
45.9	50.0	0.9	1.4	1.5	0.1	0.2

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