

Vibratables

Product Data

VIBROCAST 10SC (DC)

VIBROCAST 10SC (DC) is a Mullite based, low cement castable containing 10% Silicon Carbide Grain. It is designed for vibration casting. This product is recommended for new and full lining repairs using anchored construction. It develops high green strength within 2-3 hours of casting which allows multiple use of formwork.

VIBROCAST 10SC (DC) has excellent strength, alkali and abrasion resistance.

<u>Maximum Service Temperature:</u>	1500°C	
<u>Bulk Density:</u> Fired to 815°C	2400 - 2500 kg/m ³	
<u>Cold Crushing Strength:</u> Fired to 815°C	800 - 1000 kg/cm ²	
<u>Modulus of Rupture:</u> Fired to 815°C	160 - 210 kg/cm ²	
<u>Erosion Loss:</u> Fired to 815°C	Less than 7 cc (Typical loss 4-5 cc)	
<u>Permanent Linear Change(%):</u> Green to 815°C	-0.1 to -0.3	
<u>Conductivity or "K" Factor:</u> Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	15.0	2.16
1500°F (815°C)	15.0	2.16
2000°F (1095°C)	15.0	2.16

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC
53.3	31.2	0.9	1.6	1.6	9.9

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.

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