



Vibratables

Product Data

Furna³ 70Z (Formerly VIBROCAST 75PCA)

Furna³ 70Z is a pumpable, low-cement castable which is designed to give minimum porosity and linear change with maximum density and super high fired strengths. This material will withstand high temperature corrosion, erosion and provides superior non-wetting characteristics in aluminum contact applications.

Maximum Service Temperature: 3000°F (1650°C)

Bulk Density:
 220°F (105°C) 170 lb/ft³ (2720 kg/m³)
 1500°F (815°C) 167 lb/ft³ (2672 kg/m³)

Porosity: 18%

Cold Crushing Strength:
 1500°F (815°C) 9000-12000 psi (630-840 kg/cm²)
 2500°F (1371°C) 10000-14000 psi (700-980 kg/cm²)

Modulus of Rupture:
 1500°F (815°C) 1200-1700 psi (84-119 kg/cm²)
 2500°F (1371°C) 1700-2100 psi (119-147 kg/cm²)

Permanent Linear Change(%): (green - fired)
 1500°F (815°C) 0.0 to -0.3
 2500°F (1371°C) +0.4 to +0.7

Erosion Loss: Less than 10 cc
 1500°F (815°C) (Typical Loss: 6 - 8 cc)

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	11.0	1.59
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
70.3	13.8	1.2	2.5	1.5	0.2	10.5

Standard Packaging: 72-55 lb. bags per pallet

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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