



# PRODUCT DATA

**Brand Name:** VIBROCAST 60PC

**Description:** VIBROCAST 60PC is a Pumpable, Low Cement, 60% Alumina castable based on a mullite aggregate, that can be installed by vibration cast, pumping, and shotcreting methods.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 3100°F (1700°C)**

**Typical Water Required for Mixing (by weight) :**

Vibration Casting ..... 5.0%  
Pump Casting ..... 6.7%

Pump Cast Data

**Bulk Density (pcf)**

After 220°F (105°C)	151	(2.42 g/cm <sup>3</sup> )
After 1500°F (815°C)	150	(2.40 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 1500°F (815°C)	9000	(630 kg/cm <sup>2</sup> )
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**Permanent Linear Change (%)**

After 1500°F (815°C)	-0.3 to 0.0
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**Thermal Conductivity (K Factor)**

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
1000°F (538°C)	11.3	1.63
1500°F (815°C)	13.0	1.87
2000°F (1095°C)	14.3	2.06

**Abrasion Loss (using ASTM C-704 Method)**

After 1500°F (815°C)	12 cc
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**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	57.9
Silica (SiO <sub>2</sub> ) .....	37.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.9
Titania (TiO <sub>2</sub> ) .....	1.6
Lime (CaO) .....	1.5
Magnesia (MgO) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0395

The properties shown on this data sheet represent typical average results 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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