



# PRODUCT DATA

**Brand Name:** **VIBROCAST 80PC Coarse**

**Description:** An 80% alumina low cement castable containing coarse aggregate that can be installed using vibration casting and pumping.

**Maximum Service Temperature** ..... **3200°F (1760°C)**

**Typical Water Required for Mixing :**

Vibration Cast .....	<b>5.3%</b>
Pump Cast .....	<b>6.5%</b>

<b>Bulk Density (lb/ft<sup>3</sup>)</b>	<b>Vibration Cast</b>	<b>Pump Cast</b>
After 1500°F (815°C)	<b>175 (2800 kg/m<sup>3</sup>)</b>	<b>173 (2768 kg/m<sup>3</sup>)</b>

<b>Cold Crushing Strength (lb/in<sup>2</sup>)</b>		
After 1500°F (815°C)	<b>17,000 (1190 kg/cm<sup>2</sup>)</b>	<b>14,000 (980 kg/cm<sup>2</sup>)</b>

<b>ASTM C-704 Abrasion Test</b>		
After 1500°F (815°C), CC Loss:	<b>Less than 5.0 cc</b>	<b>Less than 7.0 cc</b>

<b>Permanent Linear Change (%)</b>		
After 1500°F (815 °C)	<b>0.0 to -0.3</b>	<b>0.0 to -0.3</b>

<b>Typical Chemical Analysis (%)</b>	
Al <sub>2</sub> O <sub>3</sub> .....	<b>80.8 %</b>
SiO <sub>2</sub> .....	<b>11.4</b>
Fe <sub>2</sub> O <sub>3</sub> .....	<b>1.1</b>
TiO <sub>2</sub> .....	<b>2.7</b>
CaO .....	<b>3.2</b>
Alkalies .....	<b>0.5</b>

**Standard Packaging:** **72 - 55 lb bags per pallet**

**Brand Code :** **1513**

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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