



# PRODUCT DATA

**Brand Name:** RESCOCAST 6PC

**Description:** RESCOCAST 6PC is a high strength, medium weight insulating castable designed primarily for pumpcasting and shotcreting installation methods. RESCOCAST 6PC can also be installed using standard casting methods. It has been applied by pumpcasting on both regenerator and reactor vessel walls, as well as in fired heaters. Pumpcasting and shotcreting methods produce a uniform, lamination free lining when compared to gunned linings.

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

**Maximum Service Temperature: 2400°F (1316°C)**

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

Pump Cast ..... 25%

Pump Cast Data

**Bulk Density (pcf)**

After 1500°F (815°C) 86 (1.38 g/cm<sup>3</sup>)

**Cold Crushing Strength (psi)**

After 1500°F (815°C) 1750 (123 kg/cm<sup>2</sup>)

**Thermal Conductivity (K Factor)**

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
500°F (260°C)	3.4	0.49
1000°F (540°C)	3.0	0.44
1500°F (815°C)	3.3	0.48

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	35.7
Silica (SiO <sub>2</sub> ) .....	45.3
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	2.8
Titania (TiO <sub>2</sub> ) .....	1.3
Lime (CaO) .....	12.9
Magnesia (MgO) .....	0.8
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	1.2

**Standard Packaging:** 50 lb bag. 50 bags per pallet. Bulk packaging available.

Brand Code: 0462

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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03/21/17 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.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505