



# General Duty Castables

## Product Data

### PYROCAST 3000C

**PYROCAST 3000C** is a general purpose 3000°F usage limit castable. **PYROCAST 3000C** may be used to form complete furnace walls, special shapes, burner blocks and other applications.

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

**Bulk Density:** 139 lbs/ft<sup>3</sup> (2224 kg/m<sup>3</sup>)

**Cold Crushing Strength:**  
220°F ( 105°C) 5,500 – 8,000 psi (385-560 kg/cm<sup>2</sup>)  
1500°F (815°C) 4,500 – 6,500 psi (315-455 kg/cm<sup>2</sup>)

**Permanent Linear Change(%):**  
1500°F ( 815°C) -0.2 to +0.1

<b><u>Conductivity or “K” Factor:</u></b> Mean Temp.	BTU/ft <sup>2</sup> /Hr/°F/in	W/mK
1000°F ( 540°C)	7.20	1.04
1500°F ( 815°C)	7.50	1.08
2000°F (1095°C)	7.90	1.14

**Erosion Loss:** ASTM C-704 Less than 18.0cc

<b><u>Typical Chemical Analysis(%):</u></b>						
Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	Alkalies
60.3	34.6	0.7	2.7	0.1	1.5	0.1

**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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