



# PRODUCT DATA

**Brand Name:** RESCOCAST 110G QT

**Description:** RESCOCAST 110G QT is a unique gunning grade refractory that has been formulated to have high strength and abrasion resistance with relatively low thermal conductivity. RESCOCAST 110G QT is the gun mix of choice when high performance and insulating value are desired in a single gun mix. After the initial set, this gun mix can be heated without using the traditional ramp-and-hold heatup schedule. Refer to the recommended QUIKTURN heatup schedule for initial heatup.

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

**Maximum Service Temperature: 2400°F (1315°C)**

**Typical Water Required for Mixing (by weight) :**  
Predampening for Gunning ..... 2.0%

	Gunned Data	
<b>Bulk Density (pcf)</b>		
After 1500°F (815°C)	113	(1.81 g/cm <sup>3</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	7000	(490 kg/cm <sup>2</sup> )
<b>Thermal Conductivity (K Factor)</b>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	6.3	0.90
1000°F (538°C)	6.0	0.86
1500°F (815°C)	6.2	0.89
<b>Permanent Linear Change (%)</b>		
Green to 1500°F (815°C)	-0.4 to 0.0	
230°F (110°C) to 1500°F (815°C)	-0.3 to 0.0	
<b>Abrasion Loss (using ASTM C-704 Method)</b>		
After 1500°F (815°C)	13 cc (max)	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	48.8
Silica (SiO <sub>2</sub> ) .....	38.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.7
Titania (TiO <sub>2</sub> ) .....	1.1
Lime (CaO) .....	9.0
Magnesia (MgO) .....	0.6
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.7

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

Brand Code: 8631

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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