



PRODUCT DATA

Brand Name: RESCOCAST 110C

Description: RESCOCAST 110C is a vibration casting grade refractory that combines strength and abrasion resistant qualities with low thermal conductivity. RESCOCAST 110C is the product of choice when both performance and insulation is desired in a single product.

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) :
 Vibration Casting 10.0%

	Cast Data	
Bulk Density (pcf)		
After 1500°F (815°C)	110	(1.76 g/cm ³)
Cold Crushing Strength (psi)		
After 1500°F (815°C)	8500	(595 kg/cm ²)
Thermal Conductivity (K Factor)	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	6.3	0.91
1000°F (538°C)	6.0	0.87
1500°F (815°C)	6.2	0.90
Permanent Linear Change (%)		
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	
Abrasion Loss (using ASTM C-704 Method)		
After 1500°F (815°C)	12 cc (max)	

Typical Chemical Analysis (%)
 (Calcined Basis)

Alumina (Al ₂ O ₃)	40.6
Silica (SiO ₂)	45.6
Iron Oxide (Fe ₂ O ₃)	2.8
Titania (TiO ₂)	0.8
Lime (CaO)	7.7
Magnesia (MgO)	0.9
Alkalies (Na ₂ O+K ₂ O)	1.6

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

Brand Code: 0285

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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