



PRODUCT DATA

Brand Name:

RESCOCAST 8PC

Description: RESCOCAST 8 PC is a medium weight insulating castable that can be vibration cast, pumped, or shotcreted. RESCOCAST 8 PC has a 2800°F maximum service temperature and a low iron oxide content, which is suitable for most furnace atmospheres.

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

Maximum Service Temperature: 2800°F (1538°C)

Typical Water Required for Mixing (by weight) :

Pump Cast 28%
Vibration Cast 25%

Vibration Cast Data

Bulk Density (pcf)

After 220°F (105°C)	95	(1.52 g/cm ³)
After 1500°F (815°C)	89	(1.42 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	950	(66.5 kg/cm ²)
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Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
500°F (260°C)	3.8	0.55
1000°F (540°C)	3.3	0.48
1500°F (815°C)	3.6	0.52

Permanent Linear Change (%)

Green to 1500°F (815°C)	-0.4 to 0.0
After 1500°F (815°C)	-0.3 to 0.0

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	45.1
Silica (SiO ₂)	45.9
Iron Oxide (Fe ₂ O ₃)	0.6
Titania (TiO ₂)	0.8
Lime (CaO)	6.2
Magnesia (MgO)	0.1
Alkalies (Na ₂ O+K ₂ O)	1.1

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

Brand Code: 8642

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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