



PRODUCT DATA

Brand Name: RESCOLITE 28-95PC

Description: RESCOLITE 28-95 PC is a pumpable lightweight castable with a nominal 90 pcf density that can be installed by casting or pumping methods.

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) :

Casting 25%
Pumping 28%

Casting Data

Bulk Density (pcf)

After 220°F (105°C)	97	(1.55 g/cm ³)
After 1500°F (815°C)	91	(1.46 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	1200	(84 kg/cm ²)
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Thermal Conductivity (K Factor)

Mean Temperature	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	2.3	0.33
1000°F (540°C)	1.8	0.26
1500°F (815°C)	2.1	0.30

Permanent Linear Change (%)

Green to 1500°F (815°C)	-0.5 to 0.0
230°F (110°C) to 1500°F (815°C)	-0.4 to 0.0

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	30.5
Silica (SiO ₂)	48.8
Lime (CaO)	14.1
Iron Oxide (Fe ₂ O ₃)	2.7
Titania (TiO ₂)	1.0
Magnesia (MgO)	0.8
Alkalies (Na ₂ O+K ₂ O)	2.1

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

Brand Code: 8971

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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