



RENO REFRACTORIES, INC

RENO LITE CAST 22

TECHNICAL DATA SHEET

RENO LITE CAST 22 is a strong, and low shrinkage insulating castable.

Features:

- Volume stability
- Low thermal conductivity
- Reduced cracking

SERVICE TEMPERATURE: 2300°F  
MATERIAL REQUIRED FOR ESTIMATING: 55-60 lbs./cu. ft.  
CASTING WATER: 40-44%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Alkalis
19 – 22	42 – 47	1.5 – 2.0	<0.5	27 – 30	1.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	200 – 300	700 – 1,200	Nil
1500	100 – 200	400 – 900	-0.2
2000	70 – 170	200 – 500	-1.0

THERMAL CONDUCTIVITY (BTU-in/hr-ft<sup>2</sup>-F) 500°F - 1.75  
900°F - 2.45  
1500°F - 3.40

133200 – 8/13/19

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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