



RENO REFRACTORIES, INC

RENO CAST 97

TECHNICAL DATA SHEET

RENO CAST 97 is an extra high purity, tabular alumina based, conventional castable. Its low silica, iron oxide and alkalis combined with extreme refractoriness gives **RENO CAST 97** the attributes needed for adverse atmospheres and temperatures.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 175 lbs. /cu. ft.
CASTING WATER: 7-8% water

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalis	Other
97	0.1	0.1	Nil	0.1	3	0.1	Nil

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture,psi	Cold Crushing Strength, psi	Linear Change %
250	1,200	3,400	Nil
1500	900	4,650	-0.2
2000	1,300	5,200	-0.3
2500	1,900	9,950	0.0
2910	2,750	12,300	-0.2

ABRASION after 2500 °F: 10 cc loss

PACKAGING: 55 lb. Bags, 72 per Pallet (3,920 lbs.)

114900 – 5/05/15

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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