RENO REFRACTORIES, INC

RENO NC 96 LA

TECHNICAL DATA SHEET

RENO NC 96 LA is an extra high alumina, no cement refractory with high hot strength and volume stability.

RENO NC 96 LA was developed specifically for extremely severe applications requiring high purity, high refractoriness, and thermal cycling conditions such as electric furnace deltas.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	179 lbs/cf
STORAGE LIFE:	6 months
BINDER ADDITION:	9 - 10% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2
94	5 - 6

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,000 – 1,100	4,500 – 5,500	Nil
1,500	1,200 – 1,360	6,000 – 7,000	-0.1
2,500	1,100 – 1,400	7,000 – 7,600	-0.3
3,000	1,050 – 1,200	5,000 – 6,500	-0.5

HOT MOR @ 1500ºF:	2,270 psi
HOT MOR @ 2500ºF:	1,350 psi (Orton)
HOT MOR @ 2750ºF:	401 (Orton)

ABRASION LOSS After 2000ºF:	<12 cc
ABRASION LOSS After 2500ºF:	<7 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)
1500 lb. Bags, 2 per Pallet (3000 lbs.)
2000 lb. Bags, 2 per Pallet (4000 lbs.)

186700 - 5/05/14

Reno Refractories, PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366