



RENO REFRACTORIES, INC

RENO NC GUN 6059 AL

TECHNICAL DATA SHEET

RENO NC GUN 6059 AL is a high alumina, silicon carbide no cement gunning mix. This material resists metal and vapor penetration. Other characteristics are high density, low porosity, high strength and excellent resistance to aluminum, zinc, alkali attack, thermal shock and oxidation. The material is designed to be installed by gunning.

SERVICE TEMPERATURE: 3000°F (reducing)  
MATERIAL REQUIRED FOR ESTIMATING: 162 lbs/cf  
BINDER ADDITION (at nozzle): Adjust at Nozzle  
STORAGE LIFE: 1 year

TYPICAL CHEMICAL ANALYSIS (includes binder) (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	CaO	SiC
72 – 74	1 – 2	14 – 16	2 – 3	0.2	6 - 7

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1,000	1,090	6,150	Nil
1,500	1,250	6,700	0.0
2,500	2,150	10,100	+0.4

ABRASION LOSS @ 1000°F: 9.5 cc  
ABRASION LOSS @ 1500°F: 10 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)

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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.

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