RENO REFRACTORIES, INC

RENO NC 6059 COARSE

TECHNICAL DATA SHEET

RENO NC 6059 COARSE is a high alumina-silicon carbide no cement castable incorporating large aggregate. This material has high density, low porosity, high strengths and excellent resistance to metals, alkali, slags, thermal shock, abrasion and oxidation.

RENO NC 6059 COARSE is recommended for roofs, bullnoses, risers, and hoods in Cement, Lime and Minerals Processing plants. Also, excellent material for use in the iron and steel industries.

SERVICE TEMPERATURE: 3000°F (Reducing)
MATERIAL REQUIRED FOR ESTIMATING: 174 lbs./cu. ft.
STORAGE LIFE: 1 year
BINDER ADDITION: 10 - 11%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2	TiO_2	CaO	SiC
81	8 – 9	2 – 3	0.2	7

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Abrasion Loss cc	Thermal Conductivity
250	920 – 1,100	5,700 – 6,125	Nil	--	15.3
1500	2,460 – 3,265	12,620 – 13,660	-0.2	3.9	18.5
2500	3,175 – 3,745	12,900 – 13,885	+0.2	2.4	19.7
2800	2,415 – 3,220	9,885 - 13,280	+0.9	--	18.9

HOT MOR @ 2500°F (ASTM C583 –12 hour soak-- ORTON): 1,026 psi
HOT MOR @ 2700°F (ASTM C583 -- 5 hour soak – ORTON): 1,048 psi

POROSITY AFTER 2500°F: 14.1%

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
1500 lb. bulk bags, 2 per pallet (3,000 lbs)
2000 lb. bulk bags, 2 per pallet (4,000 lbs)

187101 – 11/16/18

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