



RENO REFRACTORIES, INC

RENO NC 906

TECHNICAL DATA SHEET

RENO NC 906 is a tabular alumina based no cement castable with chrome oxide addition. Colloidal silica based binder system utilizes nanotechnology to achieve minimum pore sizing.

RENO NC 906 is recommended for use in the cupola melt zone, troughs and other metal transfer shapes. This material can be cast or shotcreted.

SERVICE TEMPERATURE: 3200°F  
MATERIAL REQUIRED FOR ESTIMATING: 186 lbs/cf  
BINDER ADDITION: 9 - 10% by weight

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>	CaO	Cr <sub>2</sub> O <sub>3</sub>	Alkalis
87.3	6.6	0.1	0.3	5.7	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %	Thermal "K" Btu/ft-F
1,500	1,820	5,300	-0.1	17.5	20.3
2,500	2,321	11,030	+0.5	16.7	15.9

HOT MOR @1500°F (Orton): 843 psi

ABRASION LOSS After 2000°F: <6 cc

ABRASION LOSS After 2500°F: <6 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.)

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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.

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