



RENO REFRACTORIES, INC

Reno Gun 110

TECHNICAL DATA SHEET

Reno Gun 110 is special formulated gun mix that excellent abrasion resistance and high strength where insulating properties are required. **Reno Gun 110** is an excellent choice for operating conditions where abrasion, high strength low and low thermal conductivity properties are required.

Service Temperature: 2500°F / 1370°C
Liquid Type: Water
Addition Quantity: 1.5 to 3 quarts per 100 lbs

Wt. Required for Estimating: 112 lb/ft³
Storage Life: 6 months

TYPICAL CHEMICAL ANALYSIS(% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies
48.5	29	1.8	0.7	8.3	1.1

TYPICAL COLD PHYSICAL PROPERTIES

Temperature °F	MOR (psi)	Cold Crushing Strength (psi)	Density (lb/ft ³)	PLC (%)	Abrasion Loss (cc)
1500°F	900 - 1100	6000 - 9000	108 - 116	-0.1 to - 0.4	<14 (Typical 10-12)
2000°F	800 - 1000	5000 - 8000	110 - 114	-0.1 to - 0.4	

Temperature °C	MOR (MPa)	Cold Crushing Strength (MPa)	Density (kg/m ³)	PLC (%)	Abrasion Loss (cc)
815°C	6.2 – 7.6	41 - 62	1730 - 1860	-0.1 to - 0.4	<14 (Typical 10-12)
1093°C	5.5 – 6.9	34 - 55	-	-0.1 to - 0.4	

TYPICAL HOT PHYSICAL PROPERTIES

Temperature °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)	Temperature °C	Thermal Conductivity W/(m K)
500	6.5	260	0.94
1000	6.2	538	0.90
1500	5.7	815	0.82

22-066 RB

PIN# 611210

6/30/22

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