



RENO REFRACTORIES, INC

Reno Lite 90 LI

TECHNICAL DATA SHEET

Reno Lite 90 LI is a low iron 2600°F medium weight castable that has moderate strength suitable exposure to reducing atmosphere as a backup or hot face lining. **Reno Lite 90 LI** can be installed by either pump cast, wet gunned, casting or gunning methods.

Service Temperature:	2600°F / 1426°C	Wt. Required for Estimating:	89 lbs/ft ³ (Cast)
Liquid Type:	Water	Storage Life:	6 months
Addition Quantity:	25.0 to 26.0% (Pump) 22.0 to 25.0% (Cast)	Pre damp water required	1 to 2 qt / 50 lb bag

TYPICAL CHEMICAL ANALYSIS(% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalis	Other
38.9	45.3	1.0	1.4	12.4	0.2	0.7	-

TYPICAL COLD PHYSICAL PROPERTIES (Cast)

Temperature °F	Installation Method	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (lbs/ft ³)	Linear Change (%)
1500°F	Cast	-	900 - 1400	88 - 92	-0.0 to -0.3
2000°F	Cast	-	800 - 1200	-	-0.1 to -0.4

Temperature °C	Installation Method	Cold Modulus of Rupture (MPa)	Cold Crushing Strength (MPa)	Density (kg/m ³)	Linear Change (%)
815°C	Cast	-	4.1 - 6.9	1410 - 1475	-0.0 to -0.3
1093°C	Cast	-	5.5 - 8.3	-	-0.1 to -0.4

TYPICAL HOT PHYSICAL PROPERTIES

Temperature °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)
500	2.4
1000	2.5
1500	2.85

Temperature °C	Thermal Conductivity W/(m K)
260	0.346
538	0.360
815	0.411

PACKAGING: 50 lb. Bags, 40 per Pallet (2,000 lbs.)

RB

PIN# 611000

01/23/2023

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