



RENO REFRACTORIES, INC

Reno Lite 60 EX

TECHNICAL DATA SHEET

Reno Lite 60 EX is a high performance 2400°F insulating castable designed to offer a very high strength to insulation ratio. The density is approximately 60 lb/ft³. **Reno Lite 60 EX** can be installed by either casting or gunning method. For pump application **Reno Lite 60 EX P** is recommended.

Service Temperature:	2400°F / 1315°C	Wt. Required for Estimating:	60 lbs/ft ³ (Cast) 70-80 lbs/ft ³ (Gunned)
Liquid Type:	Water	Storage Life:	6 months
Addition Quantity:	Adjust at nozzle 8.5 to 9.5 qt / 50 lb bag	Pre damp water required	2 to 3 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
30.8	49.0	3.4	0.9	14.6	0.3	1.1	-

TYPICAL COLD PHYSICAL PROPERTIES (Cast)

Temperature °F	Installation Method	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)
1500°F	Cast	200 – 300	700 - 900	60	-	-0.3 to -0.6
	Gunned	350 - 500	800 - 1200	70 - 80		-0.4 to -0.8
2000°F	Cast	150 – 250	600 - 800	-	-	-0.4 to -0.8
	Gunned	300 - 500	700 - 1100			-0.5 to -1.0

Temperature °C	Installation Method	Cold Modulus of Rupture (Mpa)	Cold Crushing Strength (Mpa)	Density (kg/m ³)	Porosity (%)	Linear Change (%)
815°C	Cast	1.4 – 2.1	4.8 – 6.0	960	-	-0.3 to -0.6
	Gunned	2.4– 3.4	5.5 – 8.3	1120 - 1280		-0.4 to -0.8
1093°C	Cast	1.0 – 1.7	4.1 - 5.5	-	-	-0.4 to -0.8
	Gunned	2.1 – 3.4	4.8 – 7.6			-0.5 to -1.0

TYPICAL HOT PHYSICAL PROPERTIES

Fired to °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)
500	1.80
1000	1.70
1500	1.70

Fired to °C	Thermal Conductivity W/(m K)
260	0.259
538	0.245
815	0.245

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

RB

PIN# 610500

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.

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