



RENO REFRACTORIES, INC

Reno Lite 35

TECHNICAL DATA SHEET

Reno Lite 35 is a lightweight insulating refractory castable with low thermal conductivity that is suitable for operating temperatures up to 2000°F **Reno Lite 35** installed as either a back up lining or hot face in conditions where abrasion is not a factor. **Reno Lite 35** can be cast or gunned. For pumping applications refer to **Reno Lite 35 P**.

Service Temperature:	2000°F/1093°C	Wt. Required for Estimating:	35 lbs/ft ³
Liquid Type:	Water	Storage Life:	6 months
Addition Quantity:	Adjust as needed at nozzle	Required : Pre damp water:	1-1¼ gal/25 lb bag
Cast: 100-125% by weight			

TYPICAL CHEMICAL ANALYSIS(% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	TiO ₂	CaO	Alkalis	Other
31.2	30.8	4.7	7.6	2.3	20.7	2.7	-

TYPICAL COLD PHYSICAL PROPERTIES

Temperature °F	Installation Method	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)
1500°F	Cast Gunned		75-125 125-225	28-32 33-37	-	-1.3

Temperature °C	Installation Method	Cold Modulus of Rupture (MPa)	Cold Crushing Strength (MPa)	Density kg/m ³	Porosity (%)	Linear Change (%)
815°C	Cast Gunned		0.5 – 0.9 0.9 – 1.6	775 – 885 910 - 1025	-	-1.3

TYPICAL HOT PHYSICAL PROPERTIES

Fired to °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)
250	0.90
750	0.97
1500	1.17
2000	1.22

Fired to °C	Thermal Conductivity W/(m K)
121	0.1297
399	0.1398
816	0.1686
1093	0.1760

PACKAGING: 25 lb. Bags, 60 per Pallet (1,500 lbs.)

RB22-094

PIN# 610000

02/07/2023

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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