



RENO REFRACTORIES, INC

Reno ASAP Lite 35

TECHNICAL DATA SHEET

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

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		75-125	28-32	-	-1.3
	Gunned		125-225	33-37		

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

TYPICAL HOT PHYSICAL PROPERTIES

Fired to °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)	Thermal Conductivity W/(m K)
250	0.90	0.1297
750	0.97	0.1398
1500	1.17	0.1686
2000	1.22	0.1760

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

RB22-094
02/07/2023

PIN# 610001

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