



RENO REFRACTORIES, INC

Reno Lite 80 PC

TECHNICAL DATA SHEET

Reno Lite 80 PC is a high performance 2500°F light weight castable with a density between 75 to 80 lb./ft³.

Reno Lite 80 PC is designed to be used in pump cast and shotcrete applications.

Service Temperature:	2500°F / 1370°C	Wt. Required for Estimating:	75 lb./ft ³ (Pump)
Liquid Type:	Water	Storage Life:	6 months
Addition Quantity:	29.0 - 34.0%		

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalis	Other
31.7	48.7	4.1	0.9	13.7	0.3	0.5	-

TYPICAL COLD PHYSICAL PROPERTIES (Cast)

Temperature °F	Installation Method	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (lb./ft ³)	Linear Change (%)
1500°F	Pump	450 - 550	1100 - 1600	73 - 82	-0.2 to -0.6

Temperature °C	Installation Method	Cold Modulus of Rupture (MPa)	Cold Crushing Strength (MPa)	Density (kg/m ³)	Linear Change (%)
815°C	Pump	3.1 – 3.8	7.5 – 11.0	1170 - 1315	-0.1 to -0.6

TYPICAL HOT PHYSICAL PROPERTIES

Temperature °F	Thermal Conductivity (BTU/ft ² /hr./in./°F)	Temperature °C	Thermal Conductivity W/(m K)
500	2.3	260	0.332
1000	2.5	538	0.360
1500	2.6	815	0.375

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

RB

PIN# 610720

09/19/2023

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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