



TECHNICAL DATA SHEET

RENO PUMP 80 LWFF is a strong 2800°F insulating castable that can be installed by casting, pumping or shotcreting. Volume stability and low thermal conductivity gives a thermally efficient lining with minimal cracking.

RENO PUMP 80 LWFF has a density of 80-90 pounds per cubic foot.

SERVICE TEMPERATURE:	2800°F
MATERIAL REQUIRED FOR ESTIMATING:	80-90 lbs./cu. ft.
CASTING WATER:	25-30%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
50.3	37.9	1.1	0.9	0.2	8.1	1.2	Nil

TYPICAL PHYSICAL PROPERTIES (Cast)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	"K" Factor Btu/ft ² /hr/in/°F
250	250 – 450	700 – 1,050	-0.1	2.50
1500	200 – 350	600 – 1,000	-0.6	3.00
2500	200 – 400	600 – 1,200	+0.6	4.36

TYPICAL PHYSICAL PROPERTIES (Shotcreted)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	150 – 350	580 – 1,100	-0.2
1500	150 – 235	450 – 800	-1.0
2500	400 – 620	830 – 1,270	+1.3

PACKAGING: 50 lb. Bags, 40 per Pallet (2,000 lbs.)
 1,000 lb. Bags, 2 per Pallet (2,000 lbs.)
 1,000 lb. Bags, 3 per Pallet (3,000 lbs.)

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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.