



RENO REFRACTORIES, INC

RENO PUMP 50 FS

TECHNICAL DATA SHEET

RENO PUMP 50 FS is a low cement, thermal shock resistant castable containing a high percentage of fused silica. Can be installed by casting or pumping.

RENO PUMP 50 FS is ideal for applications where low thermal expansion, low thermal conductivity and shock resistance are needed.

SERVICE TEMPERATURE: 2500°F
MATERIAL REQUIRED FOR ESTIMATING: 124 lbs./cu. ft.
CASTING WATER: 6.0 to 6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
29	66	0.6	0.6	0.1	3 - 4	0.1	0.1

TYPICAL PHYSICAL PROPERTIES

Pre-fired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1500	1,236	6,800	-0.2
2500	1,295	8,389	-0.3

ABRASION LOSS AFTER 1500F: 10 cc
APPARENT POROSITY AFTER 1500°F: 13%
COEFFICIENT OF THERMAL EXPANSION: 1.6
THERMAL CYCLE LOSS AFTER 2000F: -10%

PACKAGING: 50 lb. Bags, 72 per Pallet (3600 lbs.)
1500 lb. Bags, 2 per Pallet (3000 lbs.)

164700 – 12/30/25

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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