



TECHNICAL DATA SHEET

Reno Cast 115 is a vibration cast grade that has abrasion resistance and high strength where insulating properties are required.

Reno Cast 115 is an excellent choice for operating conditions where abrasion, high strength and low thermal conductivity properties are required.

Service Temperature:	2800°F / 1538°C	Wt. Required for Estimating:	120 lb/ft ³
Liquid Type:	Water	Storage Life:	6 months
Mix Water:	12.5 - 13.0%		

TYPICAL CHEMICAL ANALYSIS(% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalis
51.4	33.3	1	1	12	0.5

TYPICAL COLD PHYSICAL PROPERTIES

Temperature °F	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (lb/ft ³)	PLC (%)	Abrasion Loss (cc)
2500	1,476	7,163	121	0.23	< 7

TYPICAL HOT PHYSICAL PROPERTIES

Prefired to °F	Thermal Conductivity (BTU/ft ² /hr/in/°F)
250	7.5
750	6.7
1500	6.2
2000	5.9
2500	5.8
2750	5.7

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

PIN# 611520

09-22-2023

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.