



TECHNICAL DATA SHEET

RENO CAST 80 UL is a high alumina ultralow cement castable. It demonstrates high hot strengths and density to resist abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal and slags.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 177 lbs./cu. ft.
CASTING WATER: approx. 5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 8 columns: Al2O3, SiO2, Fe2O3, TiO2, MgO, CaO, Alkalies, Other. Values: 82.6, 12.9, 1, 2, 0.1, 0.8, 0.3, 0.3

TYPICAL PHYSICAL PROPERTIES

Table with 4 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %. Values range from 250 to 3000 °F, 1,750 to 3,350 psi, 7,400 to >15,000 psi, and Nil to -0.3%.

HOT MODULUS OF RUPTURE @ 1500°F: 3365 psi
HOT MODULUS OF RUPTURE @ 2500°F: 1300-1700 psi

ABRASION LOSS AFTER 1500°F: 7-8 cc
ABRASION LOSS AFTER 2500°F: 2-3 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
2000 lb. Bags, 2 per Pallet (4,000 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.