



TECHNICAL DATA SHEET

RENO PUMP 50 LC is a 50% alumina, low cement castable developed to be cast, pumped or shot-creted into place.

RENO PUMP 50 LC has low iron content volume stability, strength and abrasion resistance and is ideal for a variety of applications.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 143 lbs. /cu. ft.
PUMPING WATER: 6.5-7.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 6 columns: Al2O3, SiO2, Fe2O3, TiO2, MgO, CaO. Values: 50, 46, <0.9, <1.5, <0.1, 2.0

TYPICAL PHYSICAL PROPERTIES (pumping)

Table with 5 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %, 'K' Factor Btu-in/hr-ft² °F. Rows for 250, 1500, 2000, 2500 °F.

Coefficient of Thermal Expansion: 2.3 x10⁻⁶ in/in/°F

HOT MOR @2500°F: 429 psi
HOT MOR @2700°F: 266 psi

POROSITY, 1500°F: 14%

ABRASION LOSS AFTER 1500°F (ASTM C 704): Cast: <7cc , Pump: <9cc
ABRASION LOSS AFTER 2000°F (ASTM C 704): Cast: <6cc , Pump: <9cc

PACKAGING: 2000 lb. Bags, 2 per Pallet (4,000 lbs.)

143000 – 4/27/15

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.