



TECHNICAL DATA SHEET

Reno Cast 85 TSR is a low cement castable based on mullite for use where good thermal shock or strength are needed. Typical applications include electric furnace deltas or where high strength is required.

Service Temperature: 3100°F/1748°C Wt. Required for Estimating: 177 lbs/ft³
Water: 5.0-5.5% Storage Life: 6 months
Installation: Vibration Casting

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: Al2O3, SiO2, Fe2O3, TiO2, CaO, MgO, Alkalies. Values: 84, 10.2, 0.84, 2.43, 2.21, 0.1, 0.13

TYPICAL COLD PHYSICAL PROPERTIES

Table with 8 columns: Prefired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Porosity (%), Linear Change (%), Abrasion Loss (cc), Thermal Shock Loss (%). Rows for temperatures 250, 750, 1500, 2000, 2500, 2800, 3000.

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.