



TECHNICAL DATA SHEET

Reno Cast 94 HP is a 94% low iron hydraulic bonded alumina hand pack mix used in applications where the operating conditions are high heat and experience reducing conditions is required.

Reno Cast 94 HP has good abrasion resistance and can be used in applications requiring hand packed application in CO Boilers and sulfur recovery.

Service Temperature: 3200°F / 1760°C
Liquid Type: Water
Water Content: 8.0 to 8.5%

Wt. Required for Estimating: 162 – 165 lbs./ft³
Storage Life: 6 months

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: Al2O3, SiO2, Fe2O3, TiO2, CaO, MgO, Alkalis. Values: 94.5, 0.2, 0.1, Nil, 5.0, 0.1, 0.2

TYPICAL COLD PHYSICAL PROPERTIES

Table with 6 columns: Fired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Linear Change (%), Abrasion Loss (cc). Values for 1500 and 2500 °F.

Table with 6 columns: Fired to °C, Cold Modulus of Rupture (Mpa), Cold Crushing Strength (MPa), Density (Kg/m³), Linear Change (%), Abrasion Loss (cc). Values for 815 and 1371 °C.

PACKAGING: 55 lb. (25 Kg) Bags, 72 per Pallet @ 3,960 lbs. (1,800 kg)

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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.