



TECHNICAL DATA SHEET

Reno Mag 91 P is a phosphate bonded magnesite castable for metal contact applications in basic conditions. It has good abrasion and thermal shock resistance.

Service Temperature: 3100°F/1704°C
Liquid Type: Water
Addition Quantity: 4.75-5.0%

Wt. Required for Estimating: 165 lb/ft³
Storage Life: 6 months
Curing: Minimum of 70 F for 24 hours or longer for lower temperatures

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: MgO, Al2O3, SiO2, Fe2O3, P2O5, CaO, Alkalies. Values range from 0.16 to 90.55.

TYPICAL COLD PHYSICAL PROPERTIES

Table with 10 columns: Prefired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Porosity (%), Linear Change (%), Abrasion Loss (cc), Thermal Shock Loss (%), Permeability (mDarcys), Surface Area (m²/g). Values range from 0.010 to 31.07.

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.