



TECHNICAL DATA SHEET

Reno ElectroVibe 869 is a high purity, fused alumina based refractory with 10% Silicon Carbide addition. It is designed for lining the upper case of vertical channel induction furnaces. This product is a dry vibratable type and easy to install following normal procedures. High densities are reliably obtained when the product is compacted using a traditional vibrator arrangement. The SiC addition increases corrosion resistance when slags are present in the upper case.

- Provides superior performance in ductile, gray and malleable iron induction furnaces.
• Improved sintering occurs due to improved colloidal particle packing.
• The Electro Bonding improves erosion resistance and density by controlling static charging of particles. Because of the unique composition, very low dust levels are normally observed.
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• Silicon Carbide additions in the bond phase improves the corrosion resistance to slags.

Service Temperature: 3000°F / 1648°C Wt. Required for Estimating: 175 lbs/ft³
Storage Life: 12 months if stored dry and temperature controlled

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 5 columns: Al2O3, SiO2, Fe2O3, SiC, TiO2 and corresponding values: 83.36, 2.51, 0.49, 9.33, 1.74

TYPICAL COLD PHYSICAL PROPERTIES

Table with 7 columns: Prefired to °F / °C, Bulk Density lbs/ft³ / g/cm³, True Density lbs/ft³ / g/cm³, Cold Crushing Strength psi / MPa, Apparent Porosity (%), Linear Change (%), Median Pore Diameter (µm)

Packaging: 40/55# bags per pallet; 2/1,100# bulk bags per pallet; 1/1,100# bulk bags per pallet

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.