



RENO REFRACTORIES, INC

CLEANCAST 25 SIC

TECHNICAL DATA SHEET

CLEANCAST 25 SIC is a low-cement, vibrating castable made with Andalusite and 25% Silicon Carbide. Volume stability, thermal shock and alkali resistance are a few of its unique characteristics.

CLEANCAST 25 SIC ideal for a variety of applications. Some applications include cement kiln preheaters, nose rings, bull nose and cooler sections.

SERVICE TEMPERATURE: 3000°F (reducing)
MATERIAL REQUIRED : 165 lbs./cu. ft. (4.5% water)
CASTING WATER: 4.25 – 4.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 7 columns: Al2O3, SiO2, Fe2O3, TiO2, MgO, SIC, CaO. Values range from 40-43 to 1.5.

TYPICAL PHYSICAL PROPERTIES (Cast @ 4.25%)

Table with 5 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, "K" Factor Btu-in/hr-ft² °F, Linear Change %.

TYPICAL PHYSICAL PROPERTIES (Pumped @ 5.5%)

Table with 5 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %, Porosity %.

COEFFICIENT OF THERMAL EXPANSION: 2.79 E-6 in/in/°F

ABRASION LOSS, C-704: 1500°F Cast - 4 cc Pumped - 5.8 cc
2500°F Cast - 3 cc Pumped - 3.8 cc

THERMAL SHOCK LOSS, C-1171: Cast - 10% Pumped - 16%

HMOR 2500°F Pumped 1,185 psi

PACKAGING: 72 / 55 lb. Bags per Pallet 2 / 1,500 lb. Bags per Pallet

15-057

166000 10/17/2023

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.