RENO REFRACTORIES, INC

JET CAST 70 SIC

TECHNICAL DATA SHEET

JET CAST 70 SIC is a very pure low cement castable containing a high percentage of silicon carbide developed specifically for the melt zone of high production cupolas. It contains a very effective oxidation inhibitor.

JET CAST 70 SIC was developed to be pumped/gunned into place using the "JET CAST" method of material placement where it is accurately mixed in mixers and pumped to the job and pneumatically applied.

SERVICE TEMPERATURE: 3000˚F
MATERIAL REQUIRED FOR ESTIMATING: 155 lbs. /cu ft.
CASTING WATER: 5.5%

TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	CaO	SiC	Alkalies	Other
20.2	9.3	0.1	Nil	2.0	68.1	0.1	0.1

TYPICAL PHYSICAL PROPERTIES (*Fired in a reducing atmosphere)

Prefired to ˚F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,220	4,430	Nil
1500*	2,500	11,630	-0.2
2000*	2,440	10,880	-0.2
2500*	4,080	13,460	+0.3

ABRASION LOSS after 1500˚F: 6-9 cc loss (RJ Jenkins Lab)

PACKAGING: 1,500 lb. bulk bags, 2 per pallet (3,000 lbs.)

167300 – 8/11/2025

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.

Reno Refractories, Inc. PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366