



RENO REFRACTORIES, INC

JET CAST HI SIC

TECHNICAL DATA SHEET

JET CAST HI-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 HI-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 ₂ O ₃	SiO ₂	Fe ₂ O 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.)

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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.

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