



RENO REFRACTORIES, INC

RENO JET CAST 6059

TECHNICAL DATA SHEET

JET CAST 6059 is a high alumina-silicon carbide ultra low cement castable. This material has high density, low porosity, high strength and excellent resistance to iron, slag, thermal shock and oxidation.

JET CAST 6059 is suggested for tilters, troughs, torpedo and transfer ladles, and skimmer blocks.

SERVICE TEMPERATURE: 3000°F (Reducing)
MATERIAL REQUIRED FOR ESTIMATING: 161 lbs./cu. ft.
STORAGE LIFE: 1 year
WATER ADDITION: 5-5.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	TiO ₂	CaO	SiC
77	10	1	1	7

TYPICAL PHYSICAL PROPERTIES (Reducing conditions above 250°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,436	5,515	Nil
1500	1,640	8,937	-0.2
2000	2,967	13,873	-0.2
2500	2,393	>16,650	+1.1

Porosity: fired to 2730F: 13-15%

PACKAGING: 1100 lb. Bags, 2 per Pallet (500 KG)
2000 lb. Bags, 2 per Pallet (4000 lbs.)

165500 – 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, PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366