



TECHNICAL DATA

RENO REFRACTORIES

RENO PLASTIC 60 SIC

RENO PLASTIC 60 SIC is a very high silicon carbide, phosphate bonded plastic. It was specifically developed for reducing conditions on the studded water tube walls of boilers. The high silicon carbide content gives **RENO PLASTIC 60 SIC** very high thermal conductivity and slag resistance.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 145 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	SiC	Alk.	P ₂ O ₅
21.8	14.2	0.3	0.2	0.2	0.2	60.1	0.1	2.9

TYPICAL PHYSICAL PROPERTIES (Reducing conditions above 250°F)

Prefired to: °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change, %
250	850	2,038	-0.4
2000	1320	2,029	+0.3

ABRASION LOSS AFTER FIRING TO 1500°F: 10 cc

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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.