C SIC 300

CLASSIFICATION	Low Cement Castable, Silicon Carbide Containing		
PHYSICAL PROPERTIES	Max. Service Temperature	ºC	1400
	Max. Grain Size of Aggregates	mm	5
	Approx. Weight Required for Casting	kg/m³	2550
	Approx. Amount of Water Required for Casting	%	6.0-6.5
	Bulk Density After Drying at 110 ºC	kg/m³	2500
	Modulus of Rupture After Drying at 110 ºC	kg/cm²	100
	Modulus of Rupture After Heating at 1000 ºC	kg/cm²	120
	Cold Crushing Strength After Drying at 110 ºC	kg/cm²	550
	Cold Crushing Strength After Heating at 1000 ºC	kg/cm²	1000
	Permanent Linear Change After Heating at 1000 ºC	%	-0.10
CHEMICAL COMPOSITION	Alumina (Al_2O_3)	%	38.0
	Silica (SiO_2)	%	27.0
	Lime (CaO)	%	1.5
	Silicon Carbide (SiC)	%	30.0
THERMAL CONDUCTIVITY	400 ºC	(W/m.K)	2.70
	500 ºC	(W/m.K)	2.60
	600 ºC	(W/m.K)	2.50
	800 ºC	(W/m.K)	2.45
	1000 ºC	(W/m.K)	2.50
	1200 ºC	(W/m.K)	2.60

The above data are typical values of which the properties of the samples tested according to the internal procedure and standard of Siam Refractory generally accepted by our customers for many years. The above data can not be used for specification or guarantee purpose. Siam Refractory reserves the right to update the above data and change our internal procedure and standard without any prior notice.