TECHNICAL DATASHEET

C13 LW

CLASSIFICATION	Insulating Castable		
PHYSICAL PROPERTIES	Max. Service Temperature	^0C	1300
	Max. Grain Size of Aggregates	mm.	3
	Approx. Weight Required for Casting	$Kg./m^3$	1450 - 1500
	Approx. Amount of Water Required for Casting	%	35-40
	Bulk Density After Drying at 110 ^0C	$Kg./m^3$	1350 - 1400
	Modulus of Rupture After Drying at 110 ^0C	$Kg./cm^2$	13-16
	Cold Crushing Strength After Drying at 110 ^0C	$Kg./cm^2$	60-70
	Bulk Density After Heating at 1260 ^0C	$Kg./m^3$	1340
	Modulus of Rupture After Heating at 1260 ^0C	$Kg./cm^2$	20 - 30
	Cold Crushing Strength After Heating at 1260 ^0C	$Kg./cm^2$	80-100
	Permanent Linear Change After Heating 1260 ^0C	%	-0.05
THERMAL CONDUCTIVITY	at 400 °C	(W/m.K)	0.36
	at 600 °C	(W/m.K)	0.38
	at 1000 °C	(W/m.K)	0.42
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al_2O_3)	%	43
	Silica (SiO_2)	%	44.5
	Iron Oxide (Fe_2O_3)	%	3
	Calcium Oxide (CaO)	%	9.3

The data cannot be used for specification and guarantee purpose – reasonable variances in data can be expected. Product data is update periodically to reflect product / raw material / process / testing changes. Please contact BST's representative for the most updated data.

We are refractory solutions