



PRODUCT INFORMATION SHEET

ALKA 40

CLASSIFICATION	ALKALINE RESISTANT LOW CEMENT CASTABLE		
PHYSICAL PROPERTIES	Max. Service Temperature	$^{\circ}\text{C}$	1400
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m^3	2100
	Approx. Amount of Water Required for Casting	%	6 - 7
	Bulk Density After Drying at 110°C	Kg./m^3	2100
	Modulus of Rupture After Drying at 110°C	Kg./cm^2	100-120
	Cold Crushing Strength After Drying at 110°C	Kg./cm^2	550
	Bulk Density After Heating at 1100°C	Kg./m^3	2110
	Modulus of Rupture After Heating at 1100°C	Kg./cm^2	180-200
	Cold Crushing Strength After Heating at 1100°C	Kg./cm^2	1100
Permanent Linear Change After Heating at 1100°C	%	-0.3	
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al_2O_3)	%	35
	Silica (SiO_2)	%	60
	Iron Oxide (Fe_2O_3)	%	1.5
	Lime (CaO)	%	1.1

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