PRODUCT INFORMATION SHEET

CASTABLE 16

CLASSIFICATION	**High Alumina Conventional Castable**		
PHYSICAL PROPERTIES	Max. Service Temperature	^0C	1600
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	$Kg./m^3$	2200-2250
	Approx. Amount of Water Required for Casting	%	12-12.5
	Bulk Density After Drying at 110 ^0C	$Kg./m^3$	2200-2250
	Modulus of Rupture After Drying at 110 ^0C	$Kg./cm^2$	60-70
	Cold Crushing Strength After Drying at 110 ^0C	$Kg./cm^2$	350-400
	Bulk Density After Heating at 1400 ^0C	$Kg./m^3$	2180
	Modulus of Rupture After Heating at 1400 ^0C	$Kg./cm^2$	100-110
	Cold Crushing Strength After Heating at 1400 ^0C	$Kg./cm^2$	450-500
	Permanent Linear Change After Heating 1400 ^0C	%	+0.5
THERMAL CONDUCTIVITY	at 400 ^0C	(W/m.K)	1.20
	at 600 ^0C	(W/m.K)	1.25
	at 1000 ^0C	(W/m.K)	1.40
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al_2O_3)	%	60
	Silica (SiO_2)	%	34.3
	Iron Oxide (Fe_2O_3)	%	1.6
	Calcium Oxide (CaO)	%	4.3

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.