



PRODUCT INFORMATION SHEET

CASTABLE 15 CG

CLASSIFICATION	CONVENTIONAL CASTABLE		
PHYSICAL PROPERTIES	Max. Service Temperature	<sup>0</sup> C	1500
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m <sup>3</sup>	2200-2250
	Approx. Amount of Water Required for Casting	%	9 - 10
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	2200-2250
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	75-80
	Cold Crushing Strength After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	450-500
	Bulk Density After Heating at 1400 <sup>0</sup> C	Kg./m <sup>3</sup>	2160
	Modulus of Rupture After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	80-90
	Cold Crushing Strength After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	550-600
Permanent Linear Change After Heating 1400 <sup>0</sup> C	%	-0.2	
THERMAL CONDUCTIVITY	at 400 <sup>0</sup> C	(W/m.K)	1.18
	at 600 <sup>0</sup> C	(W/m.K)	1.23
	at 1000 <sup>0</sup> C	(W/m.K)	1.38
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	50
	Silica (SiO <sub>2</sub> )	%	40
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	1.2
	Calcium Oxide (CaO)	%	5.5

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

