



## TECHNICAL DATASHEET

**SPHERE B**

CLASSIFICATION	<b>NON WETTING CASTABLE (ALUMINUM ALLOY RESISTANCE)</b>		
<b>PHYSICAL PROPERTIES</b>	Max. Service Temperature	<sup>0</sup> C	1200
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m <sup>3</sup>	2850
	Approx. Amount of Water Required for Casting	%	4.5-5
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	2850
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	150-180
	Cold Crushing Strength After Heating at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	800-1000
	Bulk Density After Heating at 900 <sup>0</sup> C	Kg./m <sup>3</sup>	2860
	Modulus of Rupture After Heating at 900 <sup>0</sup> C	Kg./cm <sup>2</sup>	150-200
	Cold Crushing Strength After Heating at 900 <sup>0</sup> C	Kg./cm <sup>2</sup>	900-1100
Permanent Linear Change After Heating 900 <sup>0</sup> C	%	-0.2	
<b>CHEMICAL COMPOSITION</b>  APPROX. (%)	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	80
	Silica (SiO <sub>2</sub> )	%	12
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	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**