



## TECHNICAL DATASHEET

TUFF C60

CLASSIFICATION	<b>HIGH ALUMINA LOW CEMENT CASTABLE</b>		
<b>PHYSICAL PROPERTIES</b>	Max. Service Temperature	<sup>0</sup> C	1600
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m <sup>3</sup>	2350-2400
	Approx. Amount of Water Required for Casting	%	6-7
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	2350-2400
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	90-110
	Cold Crushing Strength After Heating at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	500-700
	Bulk Density After Heating at 1400 <sup>0</sup> C	Kg./m <sup>3</sup>	2350-2400
	Modulus of Rupture After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	150-200
	Cold Crushing Strength After Heating at 1400 <sup>0</sup> C	Kg./cm <sup>2</sup>	900
Permanent Linear Change After Heating 1400 <sup>0</sup> C	%	+0.5	
<b>THERMAL CONDUCTIVITY</b>	at 400 °C	(W/m.K)	1.62
	at 600 °C	(W/m.K)	1.62
	at 1000 °C	(W/m.K)	1.67
<b>CHEMICAL COMPOSITION</b>  APPROX. (%)	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	60
	Silica (SiO <sub>2</sub> )	%	33
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	1.0
	Lime (CaO)	%	1.2

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**