



TECHNICAL DATASHEET

TUFF C70

CLASSIFICATION	HIGH ALUMINA LOW CEMENT CASTABLE		
PHYSICAL PROPERTIES	Max. Service Temperature	⁰ C	1650
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m ³	2600-2650
	Approx. Amount of Water Required for Casting	%	5.5-6.5
	Bulk Density After Drying at 110 ⁰ C	Kg./m ³	2600-2650
	Modulus of Rupture After Drying at 110 ⁰ C	Kg./cm ²	75-80
	Cold Crushing Strength After Heating at 110 ⁰ C	Kg./cm ²	550
	Bulk Density After Heating at 1400 ⁰ C	Kg./m ³	2610
	Modulus of Rupture After Heating at 1400 ⁰ C	Kg./cm ²	180
	Cold Crushing Strength After Heating at 1400 ⁰ C	Kg./cm ²	1000
Permanent Linear Change After Heating 1400 ⁰ C	%	+0.1	
THERMAL CONDUCTIVITY	at 400 °C	(W/m.K)	1.85
	at 600 °C	(W/m.K)	1.85
	at 1000 °C	(W/m.K)	1.87
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al ₂ O ₃)	%	70
	Silica (SiO ₂)	%	23
	Iron Oxide (Fe ₂ O ₃)	%	1.0
	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