



TECHNICAL DATASHEET

TUFF C50

CLASSIFICATION	MEDIUM ALUMINA LOW CEMENT CASTABLE		
PHYSICAL PROPERTIES	Max. Service Temperature	⁰ C	1500
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m ³	2250-2300
	Approx. Amount of Water Required for Casting	%	7-8
	Bulk Density After Drying at 110 ⁰ C	Kg./m ³	2250-2300
	Modulus of Rupture After Drying at 110 ⁰ C	Kg./cm ²	60-70
	Cold Crushing Strength After Heating at 110 ⁰ C	Kg./cm ²	500
	Bulk Density After Heating at 1400 ⁰ C	Kg./m ³	2250
	Modulus of Rupture After Heating at 1400 ⁰ C	Kg./cm ²	170
	Cold Crushing Strength After Heating at 1400 ⁰ C	Kg./cm ²	750
Permanent Linear Change After Heating 1400 ⁰ C	%	+0.3	
THERMAL CONDUCTIVITY	at 400 °C	(W/m.K)	1.50
	at 600 °C	(W/m.K)	1.53
	at 1000 °C	(W/m.K)	1.58
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al ₂ O ₃)	%	53
	Silica (SiO ₂)	%	38
	Iron Oxide (Fe ₂ O ₃)	%	0.8
	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