PRODUCT INFORMATION SHEET

TJM 23

CLASSIFICATION	INSULATION FIRE BRICK		
PHYSICAL PROPERTIES	Max. Service Temperature	^0C	1100
	Bulk Density (ASTM C-133)	Kg/m^3	500
	Cold Crushing Strength (ASTM C-133)	Kg/cm^2	8-8.5
	Modulus of Rupture (ASTM C-133)	Kg/cm^2	7-7.5
	Reheat Test, Permanenet Linear Change		
	After Heating at 1070 ^0C	%	-0.2
	Reversible Linear Expansion, maximum %	%	0.6
	Deformation Under Hot Load (ASTM C-16)% after 90 min		
	1100 ^0C @ 5 psi	%	0.1
THERMAL CONDUCTIVITY	at 200 ^0C	Kcal/ m.hr ^0C	0.12
	at 400 ^0C	Kcal/ m.hr ^0C	0.15
	at 600 ^0C	Kcal/ m.hr ^0C	0.19
	at 800 ^0C	Kcal/ m.hr ^0C	0.23
	at 1000 ^0C	Kcal/ m.hr ^0C	0.27
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al_2O_3)	%	45
	Silica (SiO_2)	%	48
	Iron Oxide (Fe_2O_3)	%	1
	Titanium Dioxide (TiO_2)	%	0.8
	Lime (CaO)	%	0.8
	$MgO + Na_2O + K_2O$	%	1.7

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