



PRODUCT INFORMATION SHEET

CASTABLE 16ES

CLASSIFICATION	Castable Concrete Extra Strength		
PHYSICAL PROPERTIES	Max. Service Temperature	⁰ C	1600
	Max. Grain Size of Aggregates	mm.	5
	Approx Weight Required for Casting	Kg./m ³	2400-2450
	Approx. Amount of Water Required for Casting	%	9-10
	Bulk Density After Drying at 110 ⁰ C	Kg./m ³	2400-2450
	Modulus of Rupture After Drying at 110 ⁰ C	Kg./cm ²	120
	Cold Crushing Strength After Drying at 110 ⁰ C	Kg./cm ²	920
	Bulk Density After Heating at 1400 ⁰ C	Kg./m ³	2460
	Modulus of Rupture After Heating at 1400 ⁰ C	Kg./cm ²	130
	Cold Crushing Strength After Heating at 1400 ⁰ C	Kg./cm ²	750
Permanent Linear Change After Heating 1400 ⁰ C	%	-1.0	
THERMAL CONDUCTIVITY	at 400 ⁰ C	(W/m.K)	1.2
	at 600 ⁰ C	(W/m.K)	1.25
	at 1000 ⁰ C	(W/m.K)	1.4
CHEMICAL COMPOSITION APPROX. (%)	Alumina (Al ₂ O ₃)	%	63.0
	Silica (SiO ₂)	%	30.0
	Iron Oxide (Fe ₂ O ₃)	%	1.4
	Calcium Oxide (CaO)	%	5.0

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