



PRODUCT INFORMATION SHEET

CASTABLE 13

CLASSIFICATION	Conventional Castable		
PHYSICAL PROPERTIES	Max. Service Temperature	<sup>0</sup> C	1300
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m <sup>3</sup>	1900-2000
	Approx. Amount of Water Required for Casting	%	12-13
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	2000-2010
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	55-65
	Cold Crushing Strength After Heating at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	350-400
	Modulus of Rupture After Heating at 1260 <sup>0</sup> C	Kg./cm <sup>2</sup>	45-55
	Cold Crushing Strength After Heating at 1260 <sup>0</sup> C	Kg./cm <sup>2</sup>	300-350
Permanent Linear Change After Heating 1260 <sup>0</sup> C	%	+0.5	
THERMAL CONDUCTIVITY	at 400 <sup>0</sup> C	(W/m.K)	1.10
	at 600 <sup>0</sup> C	(W/m.K)	1.12
	at 1000 <sup>0</sup> C	(W/m.K)	1.16
CHEMICAL COMPOSITION  APPROX. (%)	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	30
	Silica (SiO <sub>2</sub> )	%	60
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	3.0
	Lime (CaO)	%	4.2

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.

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