



**PRODUCT INFORMATION SHEET**

**AR30**

<b>CLASSIFICATION</b>	<b>Acid Resistant Castable</b>		
<b>PHYSICAL PROPERTIES</b>	Max. Service Temperature	<sup>0</sup> C	1200
	Max. Grain Size of Aggregates	mm.	5
	Approx. Weight Required for Casting	Kg./m <sup>3</sup>	1700-1750
	Approx. Amount of Water Required for Casting	%	9-10
	Bulk Density After Drying at 110 <sup>0</sup> C	Kg./m <sup>3</sup>	1700-1750
	Modulus of Rupture After Drying at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	90-100
	Cold Crushing Strength After Heating at 110 <sup>0</sup> C	Kg./cm <sup>2</sup>	450-500
	Modulus of Rupture After Heating at 500 <sup>0</sup> C	Kg./cm <sup>2</sup>	50-55
	Cold Crushing Strength After Heating at 500 <sup>0</sup> C	Kg./cm <sup>2</sup>	300-350
Permanent Linear Change After Heating 500 <sup>0</sup> C	%	+0.2	
<b>THERMAL CONDUCTIVITY</b>	at 400 <sup>0</sup> C	(W/m.K)	1.30
	at 600 <sup>0</sup> C	(W/m.K)	1.35
	at 1000 <sup>0</sup> C	(W/m.K)	1.38
<b>CHEMICAL COMPOSITION</b>	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	30.0
	Silica (SiO <sub>2</sub> )	%	60.2
	APPROX. (%) Lime (CaO)	%	0.8

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**