Technical data

B 1500 from HASLE Refractories A/S

			HASLE
Chemical analysis:			**B 1500**
Al_2O_3		%	49
TiO_2		%	1,4
SiO_2		%	41
Fe_2O_3		%	1,0
CaO		%	6,0
SiC		%	-
Physical data:			
Refractoriness		PCE	30
Max. service temperature		℃	1500
Bulk density		kg/m^3	2100
Max. grain size		mm	5
Modulus of rupture			
after heating to:	110℃	MPa	10
	500℃	MPa	5
	1000℃	MPa	5
	1500℃	MPa	10
Cold crushing strength			
after heating to:	110℃	MPa	50
	500℃	MPa	40
	1000℃	MPa	35
	1500℃	MPa	50
Drying shrinkage:	110℃	%	0.2
Linear shrinkage			
excl. drying shrinkage			
after heating to:	500℃	%	0,1
	1000℃	%	0,2
	1500℃	%	2,0
Thermal conductivity:	400℃	W/mK	0,99
	800℃	W/mK	1,06
	1200℃	W/mK	1,15
Alkali test (scale 0-10)			9
Resistance to abrasion		g/cm^2	0,50
Resistance to thermal shock			high
Reversible linear expansion			
to 1000℃		%	0,52
Average water addition		%	14

Alkali test
The alkali test according to DIN 51069, page 2, as slight, medium or heavy. This evaluation is supplemented with the 0-10 points scale of HASLE Refractories A/S, which system is principle states the depth of attack in mm. The above data are subject to normal deviation and should not be used as specifications.

The technical data represent average reference values established by DIN- and EN-test procedures in our ceramic laboratory. They serve to give general information, they are liable to natural deviations, and they are not to be cited as guaranteed properties or guaranteed values.