

Technical data

BS 1200 from HASLE Refractories A/S

		HASLE
		BS 1200
Chemical analysis:		
Al ₂ O ₃	%	42
TiO ₂	%	1,3
SiO ₂	%	46
Fe ₂ O ₃	%	4,0
CaO.....	%	6,0
SiC.....	%	-
Physical data:		
Refractoriness	PCE	10
Max. service temperature	°C	1200
Bulk density	kg/m ³	2000
Max. grain size	mm	10
Modulus of rupture		
after heating to:	110°C MPa	7
	500°C MPa	4
	1000°C MPa	3
	1500°C MPa	-
Cold crushing strength		
after heating to:	110°C MPa	35
	500°C MPa	25
	1000°C MPa	25
	1500°C MPa	-
Drying shrinkage:		
	110°C %	0,2
Linear shrinkage		
excl. drying shrinkage		
after heating to:	500°C %	-
	1000°C %	0,0
	1500°C %	-
Thermal conductivity:		
	400°C W/mK	0,60
	800°C W/mK	0,70
	1200°C W/mK	0,80
Alkali test (scale 0-10)		9
Resistance to abrasion.....	g/cm ²	0,60
Resistance to thermal shock		Low
Reversible linear expansion		
to 1000°C.....	%	0,50
Average water addition.....	%	13

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.