Bricks

Fireclay & High Alumina

Höganäs Bjuf
Refractories

Bricks

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PRODUCT NAME	TYPE OF PRODUCT	CHEMICAL ANALYSIS								BULK DENSITY
		AL_2O_3	TIO_2	SIO_2	FE_2O_3	CAO+MGO	K_2O+NA_2O	P_2O_5	SIC	
Unit					%					g/cm³
FIRECLAY										
VIKING 330	Alkali resistant brick based on fireclay	35	1,8	59	1,7	0,7	1,6			2,15
VIKING 450	Alkali resistant brick based on fireclay	45	1,0	51	1,2	0,6	1,2			2,25
ALEX	Fireclay brick boosted with bauxite	54	2,1	40	1.4	0,7	1,3			2,32
BJUF SX	Plastic shaped alkali resistant brick based on fireclay	35	1,8	59	1,5	0,8	1,6			2,10
HIGH ALUMINA										
VICTOR 60 RK	Phosphate bonded fired high alumina brick based on bauxite	62	2,3	31	1,5	0,3	0,7	1.6		2,40
VICTOR 70 RK	Phosphate bonded fired high alumina brick based on bauxite	73	2,6	20	1,6	0.5	0,6	1.6		2,60
VICTOR 80 RK	Phosphate bonded fired high alumina brick based on bauxite	83	3,0	10	1,2	0,4	0,6	1,6		2,75
CERTAIN APPLICATIONS										
VICTOR HWL	High Alumina brick based on dense synthetic chamotte	58	2,0	38	1,0	0.4	0,5			2,42
VICTOR HWM	High alumina brick based on bauxite	79	2,2	17	1,0	0,3	0,5			2,70
SIC BOOSTED										
ALSIC 500 *	Alkali resistant fire clay brick boosted with bauxite and silicon carbide	50	1,4	37	1,3	0,3	1,0		9,0	2,35
ALSIC 4000 *	Alkali resistant andalusite brick boosted with silicon carbide	38	0,2	34	0,9	0,3	0,4		26	2,50

Above data are average values.
The values for the physical properties are valid for pressed normal bricks or similar formats.
Test are conducted according to DIN standards.
* Note: Structural dark discolorations may typically occur.

2014-09

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PHYSICAL PROPERTIES		REFRACTORINESS UNDER LOAD		THERMAL SHOCK RESISTANCE	PERMANENT LINEAR CHANGE AT		LINEAR THERMAL EXPANSION AT	THERMAL CONDUCTIVITY AT			
APPARENT POROSITY	COLD CRUSHING STRENGTH	T_{05}	T_5		1400 °C/5 HOURS	1600 °C/5 HOURS	1000 °C	500 °C	750 °C	1000 °C	1250 °C
%	MPa	(°C)		(cycles)	%		%	(W/mK)			
19	40	1330	1430	>30	-0,5		0,6	1,5	1,6	1,7	1,6
18	40	1350	1500	>30	±0,0		0,5	1,5	1,6	1,6	1,6
19	50	1400	1550	>30		+1,8	0,6	1,3	1,5	1,4	1,5
18	60	1330	1460	>30	+0,5		0,6	1,4	1,6	1,8	1,9
18	90	1420	1560	>30		+2,6	0,7	1,8	2,1	2,2	2,1
17	75	1440	1580	>30		+3,5	0,7	1,8	2,0	2,6	2,2
18	80	1450	1560	>30		+1,3	0,5	1,8	2,0	2,1	2,3
17	70	1460	1610	>30		+0,9	0,5	1,7	1,8	1,9	2,0
19	70	1500	1650	>30		+4,0	0,7	2,0	2,1	2,1	2,3
19	50	1350	1480	>30	+0,6		0,5	2,0	2,6	3,0	
19	45	1400	1550	>30	+1,4		0,5	2,8	3,0	3,5	

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