

TECHNICAL INFORMATION

Fireclay brick boosted with bauxite		
Bulk density [g/cm ³]		2,32
Apparent porosity [%]		19
Cold crushing strength [MPa]		50
Thermal shock resistance [cycles]		> 30
Refractoriness under load, T ₀₅ /T ₅ [°C]		1400/1550
Permanent linear change [%] at	1600 °C/5h	+ 2,5
Linear thermal expansion [%] at	1000 °C	0,6
Thermal conductivity [W/mK] at	500 °C	1,3
	750 °C	1,5
	1000 °C	1,4
	1250 °C	1,5
Aluminium oxide, Al ₂ O ₃ [%]		54
Titanium dioxide, TiO ₂ [%]		2,1
Silicon dioxide, SiO ₂ [%]		40
Ferric oxide, Fe ₂ O ₃ [%]		1,4
Earth alkalies, CaO + MgO [%]		0,7
Alkalies, K ₂ O + Na ₂ O [%]		1,3

Note:

1. Above data are the average values.
2. The values for the physical properties are valid for pressed normal bricks or similar formats.
They are not valid for larger/more complicated formats.
3. Tests are conducted according to DIN standards.
4. The data sheet may be changed without warning.