

TECHNICAL INFORMATION

Fireclay brick		
Bulk density [g/cm ³]		2,20
Apparent porosity [%]		20
Cold crushing strength [MPa]		50
Thermal shock resistance [cycles]		> 30
Refractoriness under load, T ₀₅ /T ₅ [°C]		1350/1500
Permanent linear change [%] at	1400 °C/5h	- 0,3
Linear thermal expansion [%] at	1000 °C	0,6
Thermal conductivity [W/mK] at	500 °C	1,4
	750 °C	1,6
	1000 °C	1,8
	1250 °C	1,9
Aluminium oxide, Al ₂ O ₃ [%]		43
Titanium dioxide, TiO ₂ [%]		1,7
Silicon dioxide, SiO ₂ [%]		52
Ferric oxide, Fe ₂ O ₃ [%]		1,5
Earth alkalies, CaO + MgO [%]		0,5
Alkalies, K ₂ O + Na ₂ O [%]		1,1

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.