

Acid resistant plastically shaped fireclay brick		
Bulk density [g/cm ³]		2,15
Water absorbtion [%]		max 7
Cold crushing strength [MPa]		–
Thermal shock resistance [cycles]		–
Acid resistance in 70 % H ₂ SO ₄ [%]		min 98,5
Refractoriness under load, T ₀₅ /T ₅ [°C]		–
Permanent linear change [%] at	1400 °C/5h	–
Linear thermal expansion [%] at	1000 °C	–
Thermal conductivity [W/mK] at	500 °C	–
	750 °C	–
	1000 °C	–
	1250 °C	–
Aluminium oxide, Al ₂ O ₃ [%]		30
Titanium dioxide, TiO ₂ [%]		1,5
Silicon dioxide, SiO ₂ [%]		64
Ferric oxide, Fe ₂ O ₃ [%]		2,2
Earth alkalies, CaO + MgO [%]		0,6
Alkalies, K ₂ O + Na ₂ O [%]		1,7

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.