

TECHNICAL INFORMATION

Cryolite resistant fireclay brick		
Bulk density [g/cm ³]		2,15
Apparent porosity [%]		18
Cold crushing strength [MPa]		35
Thermal shock resistance [cycles]		> 30
Refractoriness under load, T ₀₅ /T ₅ [°C]		1300/1440
Permanent linear change [%] at	1400 °C/5h	+ 1,0
Linear thermal expansion [%] at	1000 °C	0,6
Thermal conductivity [W/mK] at	500 °C	1,5
	750 °C	1,7
	1000 °C	1,7
	1250 °C	1,8
Aluminium oxide, Al ₂ O ₃ [%]		34
Titanium dioxide, TiO ₂ [%]		1,2
Silicon dioxide, SiO ₂ [%]		60
Ferric oxide, Fe ₂ O ₃ [%]		2,3
Earth alkalies, CaO + MgO [%]		0,8
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.