

## TECHNICAL INFORMATION

Plastically shaped fireclay brick for ingot casting boosted with bauxite and andalusite		
Bulk density [g/cm <sup>3</sup> ]		2,35
Apparent porosity [%]		19
Cold crushing strength [MPa]		–
Thermal shock resistance [cycles]		–
Refractoriness under load, T <sub>05</sub> /T <sub>5</sub> [°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 <sub>2</sub> O <sub>3</sub> [%]		54
Titanium dioxide, TiO <sub>2</sub> [%]		1,9
Silicon dioxide, SiO <sub>2</sub> [%]		41
Ferric oxide, Fe <sub>2</sub> O <sub>3</sub> [%]		1,4
Earth alkalies, CaO + MgO [%]		0,5
Alkalies, K <sub>2</sub> O + Na <sub>2</sub> O [%]		1,2

**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.