

TECHNICAL INFORMATION

| Plastically shaped fireclay brick for ingot casting boosted with bauxite | | |
|--|------------|------|
| Bulk density [g/cm ³] | | 2,35 |
| Apparent porosity [%] | | 14 |
| Cold crushing strength [MPa] | | – |
| Thermal shock resistance [cycles] | | – |
| 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 [%] | | 52 |
| Titanium dioxide, TiO ₂ [%] | | 2,2 |
| Silicon dioxide, SiO ₂ [%] | | 42 |
| Ferric oxide, Fe ₂ O ₃ [%] | | 1,6 |
| Earth alkalies, CaO + MgO [%] | | 0,6 |
| Alkalies, K ₂ O + Na ₂ O [%] | | 1,6 |

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.