

HIGH-PERFORMANCE CERAMICS

SLIDE BLOCKS FOR PROCESSES AT EXTREME TEMPERATURE

Application:

Slide blocks for furnace construction

Material:

Aluminium Oxide (Al_2O_3) **DEGUSSIT AL24**

Slide blocks made of **DEGUSSIT AL24** are excellently suited for processes at extreme temperature.

As they are used in electrically heated or gas-fired kilns, superior sliding properties are indispensable. Together with the good thermal shock resistance and geometrical stability they facilitate economical and reproducible manufacturing processes.

The ceramic slide blocks are used at temperatures of up to 1900 °C in both oxidizing and reducing atmospheres. Due to the high level of material purity, there is no contamination or reaction of the furnace charge.

Furthermore, our optimum range of production facilities allow for high-precision manufacturing in the dimensions required by the application.



Fields of Application:

- ▶ Furnace construction
- ▶ Processes at temperatures of up to 1900 °C, e.g. for the manufacture of fuel elements, magnets, metal-injectionmoulding components, etc.

- ▶ High temperature resistance
- ▶ Optimum hot bending strength
- ▶ Superior sliding properties at high temperature
- ▶ High material purity

Competence in Advanced Ceramics
Engineering for customized solutions
