

FRIALIT[®]-DEGUSSIT[®] Oxide Ceramics

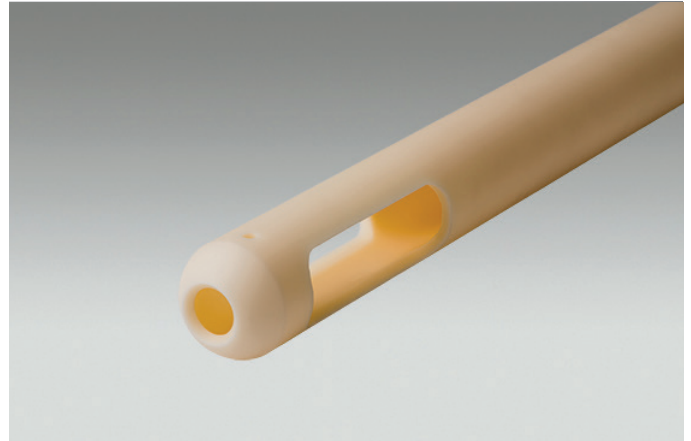
Tubes made of precision ceramics for thermo-gravimetry

Application:

Measurements under extreme conditions

Material:

Aluminium Oxide (Al₂O₃) **DEGUSSIT AL23**



FRIATEC works photo

Chemical reactions normally involve changes in mass. This change, caused e.g. by oxidation or elimination of volatile matter, can be detected through thermo-gravimetry.

Thermo-gravimetric instruments enable measurements to be performed in corrosive, toxic and/or explosive reaction gases and also in vapour atmospheres within a wide temperature range (up to 1600 °C) and under pressure. Measuring in corrosive atmospheres is made possible by means of a magnetic suspension balance, as well as by the gas-tight **DEGUSSIT AL23** ceramic measurement cell tubes in the furnace. This ensures that the sensitive components of the balance and furnace are securely isolated from the destructive reaction atmosphere.

Fields of Application:

- All sectors of raw material analysis as well as material analysis in general
- Research and development departments in the sector of development of new materials

- high temperature resistance
- high resistance to wear
- high form stability

Competence plus responsibility

Our clients rightly expect first class service with sustainable value.

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