HIGH-PERFORMANCE CERAMICS

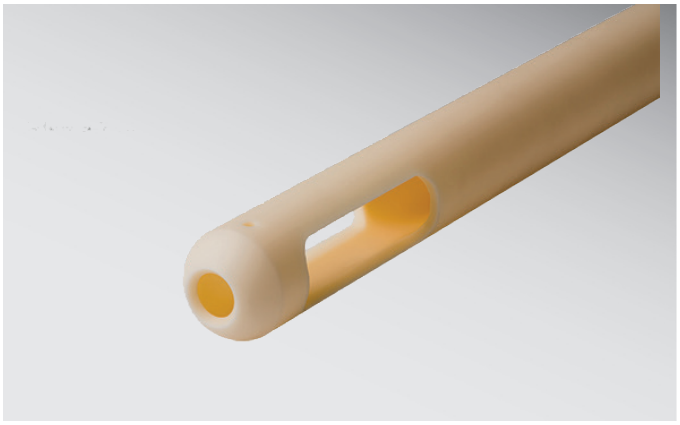
TUBES FOR THERMOGRAVIMETRY

Application:
Measurements under extreme conditions

Material:
Alumina DEGUSSIT AL23

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**

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