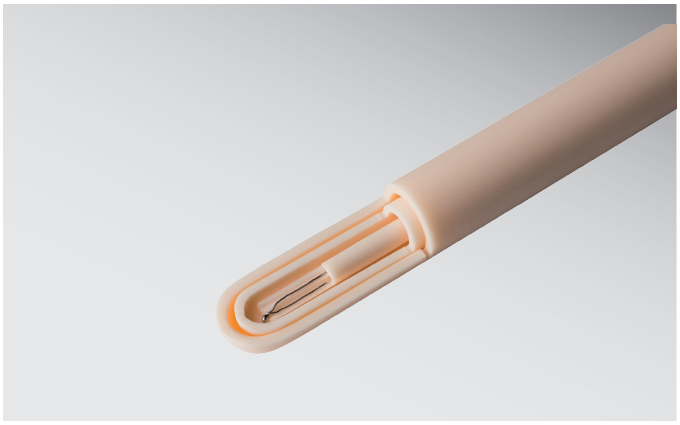
HIGH-PERFORMANCE CERAMICS

THERMOCOUPLE PROTECTION SLEEVES AND CAPILLARY TUBES



Application:
Measurement under extreme conditions

Material:
Alumina DEGUSSIT AL23

Precise and reliable measurement technology requires highly reliable thermocouple protection sleeves, especially in the case of harsh ambient conditions. Due to their high material quality, protection sleeves made of Ceramics can also be used at temperatures even exceeding 1800°C.

Excellent workmanship on the closed tube tip provides an even, dense structure thus avoiding cracks and a product contamination by spallings. At the same time, greater resistance to the corrosive stresses prevailing in the tank or melt load is achieved.

A SiO2 proportion of only 0.01% ensures a consistently high degree of measuring accuracy as well as a long lifetime of the precious metal thermocouples.

Fields of Application:
- Glass industry
- Semiconductor industry
- Chemical and process industries
- Thermal treatment facilities
- Metallurgy

- **High stability of shape**
- **Excellent temperature resistance**
- **Good corrosion resistance**

KYOCERA Fineceramics Europe GmbH
E-Mail: info@kyocera-fineceramics.de · www.kyocera-fineceramics.de

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