

TA-Clean



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Instructions for use

TA-Clean – High-performance cleaning material for zirconium oxide sintering furnaces

Cleanliness. Efficiency. Perfection.

Product description:

TA-Clean is a specially developed cleaning material for zirconium oxide sintering furnaces. It effectively removes impurities that arise during the sintering process. Regular use extends the service life of your furnace and ensures the long-term quality of your sintered zirconium oxide products.

Contamination of the furnace by foreign materials can lead to unpredictable changes in translucency and colour, often whitish opaque green-yellow discolouration. This is particularly the case after previous sintering of different generations of zirconium oxide or frequent use of colouring liquids. Regular cleaning is recommended for reliable, unadulterated sintering results.

Application:

1. Place approx. 10 g of cleaning beads in the aluminium oxide crucible and place in the sintering furnace.
2. Cleaning firing:
3. Heating: 55°C/min to 1000°C – 20 min holding time.
4. Cooling: 40°C/min to 300°C.
5. Allow the furnace to cool and carefully remove the crucible. Discolouration of the beads indicates successful cleaning. Use cleaning beads only once.

For optimal cleaning, use regularly after every 10th sintering cycle.