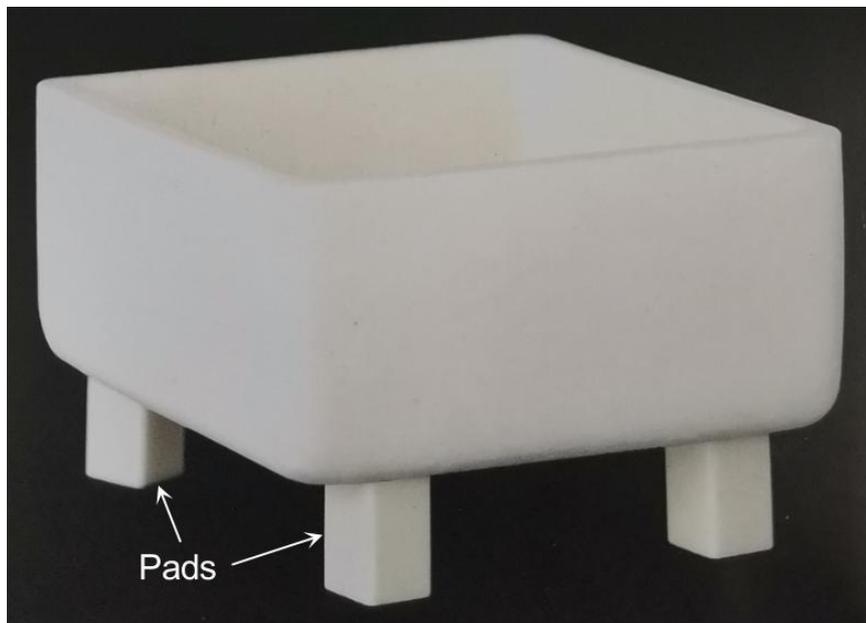




CS CERAMIC CO.,LTD (since 1974)

Precautions for using 99% alumina products

1. The ceramic crucible should be dried in an oven at a temperature of about 105°C for 120 minutes to remove moisture before first use.
2. Do not heat it directly with gasoline gun, acetylene gun or alcohol torch to prevent cracking due to uneven heating of the crucible.
3. Avoid quick heating up and cooling down. Heating temperature <math>< 1200^{\circ}\text{C}</math>, the rate of temp change should be <math>< 5^{\circ}\text{C}/\text{min}</math>; Heating temperature $\geq 1200^{\circ}\text{C}$, the rate of temp change should be $\leq 4^{\circ}\text{C}/\text{min}$. It is recommended that cool the temperature down with electricity powering on, otherwise the crucible may crack due to quick cooling down of oven if the electricity turned off.
4. The distance between the product and the heating elements(such as carbon tube, silicon molybdenum rod or heating wire, etc.) should be $> 5\text{cm}$.
5. It is recommended to use a pad, which is made of corundum substances and other temperature-resistant substances(available in our store) to underlay the large crucible(size $\geq 100\text{mm}$) to allow the air flow freely. In this way, the service life of crucibles can be prolonged. Large alumina plate(size $\geq 100\text{mm}$) also need to be used with pads.



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