

# SHANDONG TAIRAN IMPORT AND EXPORT CO.,LTD

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## Corundum Tube



Corundum tubes are commonly used for the analysis of various laboratory metal and non-metal samples, high-temperature vacuum tube furnaces, and atmosphere furnaces, with long-term use temperatures ranging from 1200 °C to 1800 °C. The product has advantages such as high temperature resistance, erosion resistance, high density, good thermal shock resistance, and corrosion resistance.

### 1. Main technical parameters of corundum tube

Item	unit	value
Al <sub>2</sub> O <sub>3</sub>	%	95-97
Fe <sub>2</sub> O <sub>3</sub>	%	≤0.3
K <sub>2</sub> O+Na <sub>2</sub> O	%	≤0.2
Density	G/cm <sup>3</sup>	3.0-3.15
C.C.S	Mpa	65-80
Room temperature flexural strength	Mpa	8-10
High temperature bending resistance 1500 °C	1500°C,Mpa	3-5
RUL	°C	≥1700
creep rate	1500°C*50h	≤0.5
Apparent porosity	%	≤19

### 2. Product Description of Corundum Tube

Using fused white corundum, sintered plate-like corundum, and additives as the main raw materials, corundum tubes are produced by injection molding and

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high-temperature firing at around 1600 °C. The product is snow white, with good density, high density, smooth and straight surface, no bending, and no cracks. The product has good high temperature resistance, heat shock resistance, corrosion resistance, good stability at high temperatures, and can be used at temperatures below 1800 °C. It is commonly used in laboratories, high-temperature furnaces, cracking furnaces, etc.

After vacuum casting and forming, the product has no defects such as bubbles or sand holes. It is fired using the method of hanging and firing into a flat firing square, and the finished product is straight, without distortion or deformation. The long-term working temperature is between 1200 °C and 1800 °C, and the service life is long.

### 3. Main characteristics of the product

- 1> RUL $\geq$  1700 °C, operating temperature between 1200 °C and 1800 °C.
- 2) High density, high strength, and strong high-temperature bending resistance
- 3> Corrosion resistance and strong ability to resist acid and alkali erosion.
- 4> Good stability at high temperatures.

### 4. Main purpose of the product

Commonly used in various laboratories, high-temperature furnaces, cracking furnaces, etc

### 5. Product specifications

Wall thickness of 5mm -10mm, length of 300mm -1000mm.

Do you want to find a professional supplier of corundum tube?

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